THE CHEMIST AND DRUGGIST

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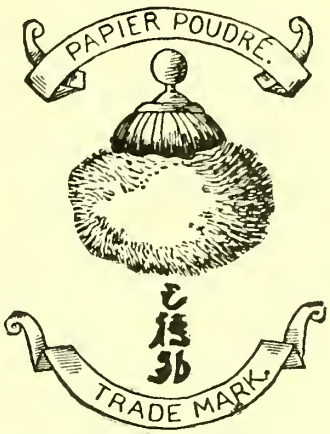

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Diabetic Foods
Van Abbott, G., & Sons

Diamidophenol
Greeff R. W., & Co.

Digestive Products
Fairchild Bros. & Foster

Dimethylamino-antipyrin
Lane-Hall, R., & Co.

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Oondy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Sanitas Co., Ltd.
Standardised Disinfectants Co. Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd
Wright, Layman & Umney, Ld

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
EvansSonsLescher&Webb, Ld
Hovenden, R., & Sons, Ltd
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.,
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood'e Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
Potter & Clarke, Ltd.
Raimes & Co.

Earthenware Jars, &c.
Fulham Pottery and Cheavin Filter Co., Ltd

Eau de Cologne
Bronnley, H., & Co., Ltd.
Christy, Thos., & Co.
Erasmio Co., Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Schutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Educational Institutions
Batb & Weetof England College
Birmingham and Midland Oollege
British Optical Institute
College of Preceptors
Elt's College
Liverpool School of Pharmacy
London College of Pharmacy
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

Elastic Gum Insts.
Mason Bros. & Chapman

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Electrical Novelties
Ward & Goldstone
Wright, Archd. J., Ltd.

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Carnegie Bros.
Macfarlan, J. F., & Oo.
Whiffen & Sons, Ltd

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Arnfield, J. C., & Sons, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Oo.
Oupal, Ltd.
Fanlding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.,
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Epsom Salts
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Oo.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Oo.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Arnfield, J. C., & Sons, Ltd.
Burroughs Wellcome & Co.
EvaneSons Lescher & Webb, Ld.
Gatbergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Feeding Cups
Bishop & Stonier, Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Jackson, J. G., Ltd.
Robert's Pat. Filling Mach Oo.

Finger Stalls
Solport Bros

Flower Oils
Zimmermann, C., & Co.

Flycatchers
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Casein Co. (1911), Ltd.
British Milk Products Co., Ld
Colman, J. & J. Ltd.
Deane, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Mellins Food, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Reade Bros. & Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Wooley, Jas., Sons & Co., Ltd.
Wulfing, A., & Co.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Oo., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Glassware, Chemical
Lang, Jules, & Son

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Monsanto Chemical Works
Reitmeyer & Co.

Grease Paints
Osborne, Garrett & Co.
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert Saml., & Co.

Hair Dyes
Harker, C.R., Stagg & Morgan
Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Oo.
Blackie, Robert
Edwards' "Harlene" Co.
Osborne, Garrett & Co.
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crewe & Co.
Turner, J.

Hat Cleaners
Milner's Chemical Co.
Senier, Alf., & Co.

Hat Dyes
Whitaker & Co.

Herbs
Potter & Clarke, Ltd.
Salle, H., & Co.

Hexamethylen-tetramine
Reitmeyer & Co.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Honey
Western Honey Co.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hospital Ware (Semi-porcelain)
Meinecke & Co.

Hot Air Douches
Ward & Goldstone

Hotels
Kingsley Hotel
Thackeray Hotel

Hot Water Bottles
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schutze, F. & Co., Ltd.
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent.

Hot Water Bottle Stoppers
Rowe, T. Wilfrid

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

Hydrokinone
Johnson & Sons (Mnfg. Chts.)

Hypophosphites
May & Baker, Ltd
Tyrer, T., & Co., Ltd.

Infusions, Concentrated
Arnfield, J. C., & Sons,

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Cbriety, T., & Oo.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thomas
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Raimes, Clark & Co., Ltd.

Junket Powder
Armour & Co., Ltd.

Lamels, Gelatine
Savory & Moore, Ltd.

Lanolines
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Gosnell, John, & Co., Ltd.
Vinolia Co., Ltd.

Leeches
Allen & Hanburys, Ltd.

Ligatures
Seabury & Johnson

Lime Juice and Cordial
EvansSons Lescher & Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.

Liquorice Juice
Boehm, F., Ltd.
EvansSons Lescher & Webb, Ld
Jackson, Ernest, & Co.
Solazzi

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Forster & Co., Ltd.
Internl. Sponge Importers, Ld
Solport Bros.
Swales, Thomas

Lozenges
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Aerators, Ltd.
Burt, Boulton & Haywood, Ld
Evans Sons Lescher & Webb Ld
Standardised Disinfectants Co Ltd.
Zimmermann, C. & Co (Chemicals), Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Jackson, J. G., Ltd.
Pindar, J. W. & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Oo.
Tokalon Ltd.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
EvansSonsLescher&Webb, Ld
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Oo., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Wyleys, Ltd

Marking Ink
John Bond ("Crystal Palace")

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Oo.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylarsonates
Roques, Ferdinand

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ld.
Riddell & Smith
Thornley, Samuel, Ltd.

Metric Weights
Avery, W. & T., Ltd.

Mineral Waters
Camwal, Ltd.
Coulsworthy
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld

Naphthalene
Burt, Boulton & Haywood, Ld

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Oo.
EvansSons Lescher & Webb, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Oo.
Lueders, George, & Oo.
Poppelreuter W.
Ransom, W., & Son, Ltd.
Rubeck, H.
Stevenson & Howell, Ltd.
Verona Chemical Co.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Hertz & Co.
Price's Patent Candle Co. Ld
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.
Raimes, Clark & Co., Ltd.

Olive Oil
Ferrer, J., & Co.
Guillevic, E., & Co.

Olive Oil Soap
Boehm F., Ltd.

Opal Jars
Toogood, Wm., Ltd.

Opium Preparations
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Instituts
College of Optics
Spectacle Makers Company

Orange and Quinine Wine
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
BritishOrganotherapy Co., Ld
Duncan Flockhart & Co.

Otto Rose (French)
Guillevic, E., & Co.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.,
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
Evans Sons Lescher & Webb, Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Oo
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Containers
Cream Mugs, Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Paraffinum Liquidum
Browning, Wm & Co.
Chesebrough Mnfg. Co.
Silvertown Lubricants, Ltd.
Stern Sonneborn Oil Co., Ltd.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Oo.
Evans Sons, Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allen, Stafford, & Sons, Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Peptone
Fairchild Bros. & Foster
May & Baker, Ltd.

Perfume Materials
Bonaventura, F., & Co.,
Bush, W. J., & Co., Ltd.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Lueders, George, & Oo.
Naef, M., & Co., Succers.
Stevenson & Howell, Ltd.
Wright Layman & Umney, Ld
Zimmermann, C., & Co., Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Erasmio Co., Ltd.
EvansSons Lescher & Webb, Ld
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co.
Shirley Bros. Ltd.
Southall Bros. & Barclay, Ld.
Tozana Perfumery Co.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & Co.
Stern Sonneborn Oil Co., Ltd.
Wieler, E. O., & Co.

Phenacetin
Bruce, James, & Co.
Greeff, R. W., & Co.
Read, Holliday & Sons, Ltd.
Reitmeyer & Co.

Phosphorus and Preps.
May & Baker, Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Johnson & Sons (Manufactg. Chemists), Ltd.
Lane-Hall, R., & Co.
Reitmeyer & Co.

Photo. Goods
Ayrton, Saunders & Co., Ltd.
Burroughs Wellcome & Co.
Butcher, W., & Sons, Ltd.
EvansSons Lescher & Webb, Ld
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Oo., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wylevs, Ltd.

Photo. Postcards
Rajar, Ltd.

Pill Makers
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd.
McKesson & Robbins
Standard Tablet & Pill Co., Ld.
Wand Manufacturing Oo.

Pilocarpine
Roques, Ferdinand

Plasters
Dalmas, A. de St., & Oo.
Galen Manufctg. Co., Ltd
Seabury & Johnson

Plate Powder
Griffiths, T. D., & Co.

Pleated Paper
Darter, Wilkinson & Co.

Pocket Lamps Electric
Ward & Goldstone

Polishes (Various)
Bradley & Bourdas
Holiday & Co.
Oakey, J., & Sons, Ltd.

Postal Boxes
Robinson & Sons, Ltd.

Powder Paper
Papier Poudré, Ltd.

Printers
Ford, Shapland & Co.
Suttley & Silverlock, Ltd.
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Proprietary Articles
Angier Chemical Co., Ltd.
Anglo-Amer. Pharm. Oo., Ltd.
Ashton & Parsons, Ltd.
Beecham, T.
Beghe & Chiapetta
Bell (John), Hills & Lucas, Ltd.
Bishop, Alfred, Ltd.
Bresillon, M., & Co.
Browning, W., & Oo.
Burgess, E.
Castle Laboratory
Christy, T., & Co.
Colman, J. & J., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Deions, Ltd.
Duncan, Flockhart & Co.
Edwards, W., & Son
EvansSons Lescher & Webb, Ld
Expurgo Manfg. Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Hardcastle, W., & Sons
Henry, T. & W.
Hommel's (Dr.) Hæmatogen
International Chem. Co., Ltd.
Johnson Laboratories
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Kybo Proprietary, Ltd.
Mandall & Co., Ltd
Martindale, W.
May, Roberts & Co., Ltd.
Morgan Jones & Co.
Mumford, G. S., & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Ovebridge W. T., Ltd
Peat Products (Sphagnol) Ltd.
Phillips, Chas. H., Chem. Co.
Pneumosan Oompany
Primer, I.
Resinol Chemical Co.
Sangers
Scott & Bowne, Ltd
Scott & Turner, Ltd.
Squire & Sons, Ltd.
Standard Tablet & Pill Co., Ld.
Thompson & Capper, Ltd.
Tokalon Ltd.
Tunbridge & Wright
Wander, A., Ltd.
Warrick Bros., Ltd.
White, A. J., Ltd.
Willoox, Jozean & Oo.
Woodward, W. Ltd
Wright & Oo.
Wright, Layman & Umney, Ld

Puffs
Schutze, F., & Co., Ltd.
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and Salts
Alliance Drug & Chem. Co.
Bandoeng Quinine Factory
Corbyn, Stacey & Co., Ltd.
Greeff, R. W., & Co.
Howards & Sons, Ltd
Reitmeyer & Co.

Razors
Hovenden, R., & Sons, Ltd.
Kelland, W. P.
Maw, S., Son & Sons

Reagents
Hopkin & Williams, Ltd.

Rennet Powder
Armour & Co., Ltd.

Resins and Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Simmer & Co

Rubber Goods
Altrincham Rubber Co.
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Tompkins, J., Ltd.
Wa[illegible] Co., Ltd.

Rubber Sponges
Markt & Co. (London), Ltd.

Rubber Stamps
Bickford C. D

Saccharin
Monsanto Chemical Works
Saccharin Corporation, Ltd.

Salicylic Acid and Salicylates
Bush W. J. & Co., Ltd.

Santonine
Goldberg, I. L

Saponin
Field C. W., Ltd.

Scientific Apparatus
Perken Son & Co., Ltd.
Pillsicher, J.
Reynolds & Branson, Ltd.

Scales and Weights
Avery, W. & T., Ltd.

Sea Salt
Tidman & Son Ltd.

Seed Dressing
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

Seeds
Potter & Clarke, Ltd.

Serums and Antitoxins
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co., Ld.
Christy, T., & Co.
Evans Sons Lescher & Webb, Ld
Parke, Davis & Co.
Willow, Joseph & Co

Shampoo Powders
Standard Tablet & Pill Co., Ld.

Shares
McAdam & Tuckniss

Sheep Dips
Burt, Boulton & Haywood Ld.
Hawker, Arthur E.
Standardised Disinfectants Co., Ltd.
Tomlinson & Hayward, Ltd.

Shop Fittings
Ayrton-Graham, Ltd.
Cook, George
Evans Sons Lescher & Webb, Ld.
Grant, D
Haskins, S., & Bros., Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons
Ruddock & Co.
Sangers

Shoulder Straps
Wood, Vincent

Silverware Goods
Scott, Adolph

Soap Perfumes
Stevenson & Howell, Ltd.

Soaps, Toilet, &c
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Fulford, C. E., Ltd.
Gosnell John, & Co., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
Pears, A. & F., Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Wright, Layman & Umney, Ld

Sodium Bicarbonate
Brunner, Mond & Co., Ltd
Howards & Sons, Ltd.

Sodium Salicylate
Read, Holliday & Sons, Ltd.

Soothers
Newbery, F., & Sons, Ltd.
Schutze, F., & Co., Ltd.

Sparteine
Roques, Ferdinand

Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd

Spermaceti
Price's Patent Candle Co., Ld.

Sphygmometers
Hicks, James J.

Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ld.

Sprays
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Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
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Toogood, Wm., Ltd.

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Spruce Beer
Hobson, Joseph, & Son

Starch
Mumford, G. S., & Sons

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Bennett, Sons & Shears, Ltd.
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Rowe, T. Wilfrid
Stipendum Stopper Co.

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Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
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Dalmas, A. de St., & Co.
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Haynes, G., & Co.
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Arnfield, J. C., & Co., Ltd.
Fellows' Med. Mnfg. Co.

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Stevenson & Howell, Ltd.
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Davis, J. M., & Sons, Ltd.
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Maw, S., Son & Sons
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Schutze, F., & Co., Ltd.
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Woolley, J., Sons & Co., Ltd.

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(REGISTERED TRADE MARK)

IS THE ORIGINAL AND ONLY GENUINE

In bottles, 1/- and 2/3.

"Phospho-Muriate of Quinine Co."

PHILLIPS'

In bottles, 4/6.

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NO ADVANCE IN PRICE!

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We guarantee our tablets to be made of pure ASPIRIN and to contain no free Salicylic Acid.

We are producing our own Acetylsalicylic Acid, and offer at following figures for orders placed before March 26.

25's (5 grain) **6/-** per dozen, minimum selling price **9d.**
100's „ **19/-** „ „ „ **2/3**
15/- per 1000 in bulk.

Every bottle is labelled with the Board of Trade decision *in re* our application granted by them, and is convincing to the sceptical purchaser.

Chemists' Names Printed on Cartons.

No goods sold to chemists who will not adhere to our minimum selling prices.

SPECIAL BONUS—With every six dozen **ASPIRIN** we will give **1 dozen (5 6) Keene's One Night Corn Cure.**

Our package is exceptionally attractive.

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PROTECTED PROFIT. QUICK SALES—NO BAD STOCK. REPEAT ORDERS AND SATISFIED CUSTOMERS

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Acetanilid
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should see that they hold stock of the undermentioned preparations, which are being advertised to the Medical Profession, and which are certain to be in great demand during the next few months.

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In sets of two doses ... ... **5/6** per set.
In 25 c.c. bottles (containing 16 double doses) ... **27/9** per bottle.

MENINGOCOCCUS VACCINE, Prophylactic.

In sets of two doses ... ... **5/6** per set.
In 25 c.c. bottles (containing 16 double doses) ... **27/9** per bottle.

MENINGOCOCCUS VACCINE, Curative.

For treatment of cerebro-spinal meningitis.

In 1 c.c. bulbs ... ... **2/9** per bulb.
In 25 c.c. bottles ... ... **27/9** per bottle.

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In sets of two doses ... ... **5/6** per set.
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For the treatment of typhoid fever.

In 1 c.c. bulbs ... ... **2/9** per bulb
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All the above Vaccines are prepared in the Inoculation Department in St. Mary's Hospital (Director: Sir Almroth Wright, M.D., &c.).

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In 10 c.c. bottles, **2/3** In 1-oz. bottles, **4/6**

HYDROGEN PEROXIDE SOLUTION, Acidified.

For use with iodide of silver spray.

In bottles of 8 fl. oz., **1/9** In bottles of 16 fl. oz., **2/8**

NASO-PHARYNGEAL SPRAYS. **Suitable for spraying iodide of silver suspension, at various prices.**

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7 to 12, ALDERSGATE ST.
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Maw's 'PAREX' Page.

No 179. MARCH 20, 1915.

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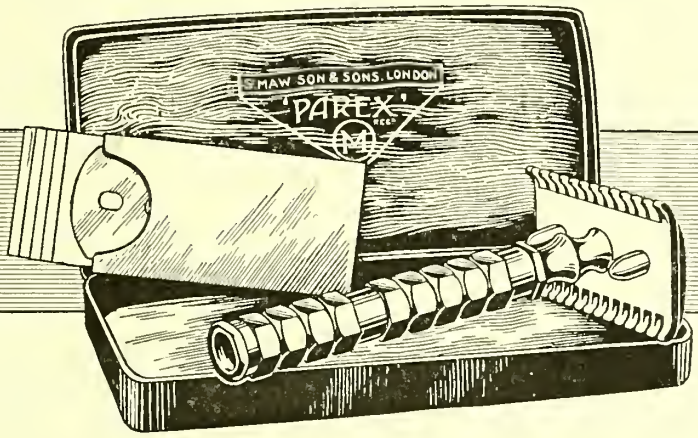

MAW'S 'PAREX' REGD SAFETY RAZOR

MAW'S 'PAREX' REGD STROPPER FOR RAZOR BLADES

MAW'S 'PAREX' REGD SAFETY RAZOR

THE RAZOR DE LUXE, MADE IN TWO VARIETIES:–

1. ALL PARTS, INCLUDING CASE FOR SPARE BLADES, HEAVILY GOLD-PLATED. IN FLAT LEATHER CASE WITH SPRING LID. BLUE SATIN LINING PRICE 8/3, COMPLETE WITH 6 BLADES.
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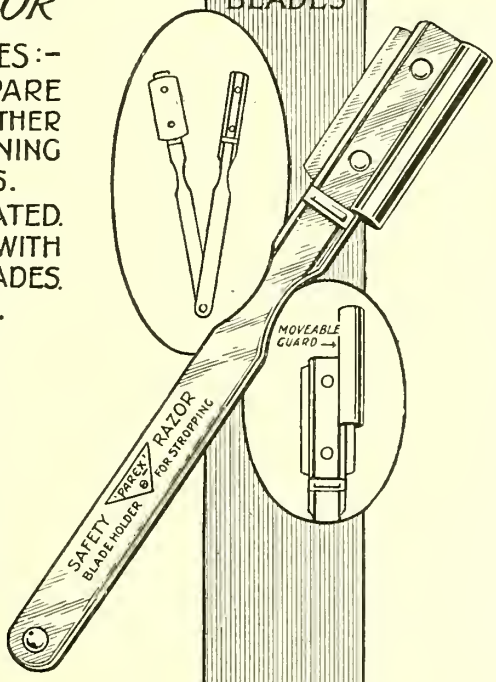
SPARE BLADES 2/- PER DOZEN.

MAW'S 'PAREX' REGD BLADE STROPPER

A MOST EFFICIENT REQUISITE. IT STROPS TWIN-EDGED BLADES BOTH SIDES WITHOUT REMOVING THEM FROM HOLDER. NOTE THE MOVEABLE GUARD. THIS MAINTAINS THE CORRECT STROPPING ANGLE.

NICKEL-PLATED 9/- DOZEN.



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Nutritious Barley Water. A Diluent of Milk for Babes. A Febrifuge.

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makes

Delicious Gruel for Children, Adults, :: Invalids, and the Aged.

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Dear Sir,—

Owing to the very substantial advance in the cost of manufacture, it has become necessary to raise the price of Robinson's "Patent" Barley and "Patent" Groats, and we beg to advise you that from the above date our quotations for those articles will be as follows :—

1 lb. tins, 8/4 per dozen. ½ lb. packets, 4/2 per dozen.
½ lb. ,, 4/4 ,, 6 lb. tins, 3 9 each.

These quotations will admit of an advance of 1d. per lb. on the retail prices.

Further, the quotations for Robinson's "London" Barley or Groats will be :—

1d. packets, 8/9 per gross. ¼ lb. packets, 1 8 per dozen.
¼ lb. packets, in 3 doz. boxes, assorted if required, 1 8½ ,,

Discounts as heretofore.

Yours truly,

J. & J. COLMAN, LIMITED.

ALL BRITISH.

Order a line of the wonderful new food-beverage

PLASMON OAT-COCOA

retailing at **1/4** per lb. tin; **4½d.** per ¼ lb. tin.

THE PROFITS TO THE TRADE ARE:

3d. on each lb. tin—¾d. on each ¼-lb. tin, exclusive of our usual discounts.

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PLASMON CHOCOLATE is supplied as an Emergency Ration to the **BRITISH TROOPS.**

NOTE.—No advance in prices of any Plasmon Preparations. The Retail Prices are stated on all packages.

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SANAPHOS

An organically Phosphated Milk Product prepared under strict scientific control.

A Reconstructive Nerve Food
MADE IN ENGLAND

NUTRIENT, RESTORATIVE and ACTIVATING

Effectively replaces the Product of an Alien Enemy

INDICATIONS:
Mental and Physical Fatigue, and Nervous Breakdown, Insomnia and Neurasthenia.

Fixed Retail Prices: 1/-, 1/6, 2/6, 5/-. Wholesale Prices: 8/6, 12/9, 21/-, 42/- per doz.
The above prices show a net profit to the Distributor of over THIRTY PER CENT. ON SELLING PRICE & OVER 40% ON COST. *Special Discounts for Large Quantities.*

For Samples & all Particulars apply **THE BRITISH MILK PRODUCTS CO., Ltd.**
69 MARK LANE, LONDON, E.C.

A GOOD LINE FOR CHEMISTS.

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

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THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

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WHOLESALE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, Belvedere Road. London, S.E.; and at Liverpool and Bristol D. A. LTD.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in **1d.** Packets, and Boxes of 13 Packets at **1/-**

Order through your Wholesale Drug House.

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Wholesale Prices on Application

BURST-OFF BOTTLES. One drm. Fluted Ovals, White Flint, with Corks to fit, 5 gross at **4/-** per gross; 10 gross at **3/10** per gross. *Supply limited. Package free. Carriage forward.*

PHENACETIN B.P. At **13/6** per lb.; at **13/-** per 5 lb. *Carriage paid.*

ACETANILIDE B.P. PULVIS.

3/10 per lb.; **3/6** per 5 lb. *Carriage paid.*

Samples on receipt of 2d. in stamps.

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CONCENTRATED WATERS.

STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/-	per lb.	Aqua Cassiæ Conc.	4/-	per lb.	Aqua Menth. Virid. Conc. ...	4/-	per lb.
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,, Anisi ,, ...	4/-	,,	,, ,, Sambuci Conc. ...	8/6	,,	,, Pulegii ,, ...	4/-	,,
,, Camphoræ ,, ...	4/-	,,	,, Fœniculi Conc.	4/-	,,	,, Rosemarini ,, ...	4/-	,,
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The above may be had in ¼-lb., ⅓-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the Cork, without which none are genuine.

PURE ORANGE WINE.

(VINUM AURANTII, B.P. 1898.) [Samples of any of the above sent free on application.

COD LIVER OIL

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FINEST OIL PROCURABLE.

PALATABLE AND NOURISHING.

BEFORE PLACING ORDERS GET OUR PRICES AND SAMPLES.

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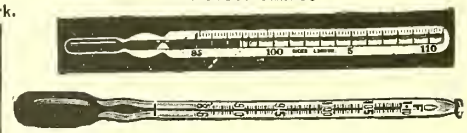

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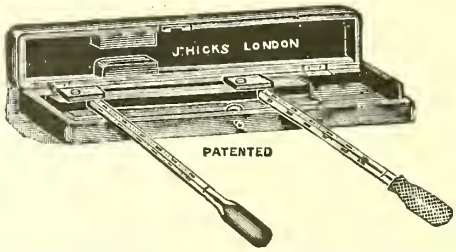

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The comfort and good health depend very largely on the rate of heat loss and evaporation of moisture from the skin and upper air passages, upon the vascular condition of these parts and the excitation of sensory nerves therein, by pleasantly cool moving air.

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THE "EMPIRE" BRAND.
(ORDINARY STYLE).

		s.	d.
Hospital pattern	per dozen	8	0
,, lens front	,,	12	0
60-seconds, plain	,,	10	0
,, lens front	,,	14	0
30-seconds, plain	,,	12	0
,, lens front	,,	16	0

THE "DUO IN UNO" PATENT.
(QUICK SHAKE DOWN).

		s.	d.
Hospital pattern	per dozen	12	0
,, lens front	,,	16	0
60-seconds, plain	,,	15	0
,, lens front	,,	20	0
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Certificate of accuracy verified by Kew Observatory for any of above Thermometers	,,	15	0

SPECIAL OFFERS OF THE ABOVE.

THE "EMPIRE" BRAND.

		List Prices.		s.	d.
12	Hospital Pattern	8/-	dozen	= 8	0
4	,, lens front	12/-	,,	= 4	0
3	60-seconds, plain	10/-	,,	= 2	6
1	,, lens front	14/-	,,	= 1	2
6	30-seconds, plain	12/-	,,	= 6	0
3	,, lens front	16/-	,,	= 4	0

29 Thermometers. List Price £1 5 8

The assortment for 20/- net cash with order.

THE "DUO IN UNO" PATENT.

		List Prices.		s.	d.
6	Hospital pattern	12/-	dozen	= 6	0
3	,, lens front	16/-	,,	= 4	0
1	60-seconds, plain	15/-	,,	= 1	3
1	,, lens front	20/-	,,	= 1	8
4	30-seconds, plain	18/-	,,	= 6	0
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18 Thermometers. List Price £1 5 8

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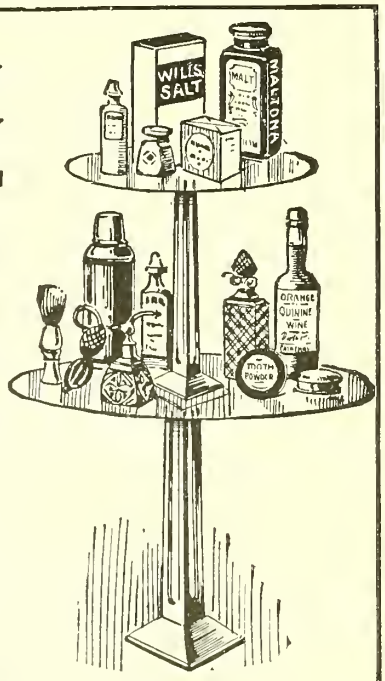

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THIS attractive centrepiece, consisting of one 18" × 12" glass shelf, one 16" × 10" ditto, one each 12" and 18" oak pedestals for the sum of **8/6**

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The Public are asking when the War will be over? We cannot tell them, but we can tell you when the *Summer Lines* are wanted and required, and that *now* is the time for you to advertise them. We have just what you want. Send **6d.** for samples of—

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For Blood Mixtures and Blood Purifiers, Tonic Elixirs, &c.,&c.

We have also a large assortment of Pamphlets, Catalogues for Chemists' Specialities and Drug Stores, Opticians and Dentists.

Full set of Samples to the Colonies **10/6**

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THE "RENZO" RAZOR.

BRITISH MADE BY BRITISH LABOUR.

Each Razor is put up in an attractive GILT-LETTERED CASE

Any Razor not giving complete satisfaction will be exchanged, providing the blade is not damaged in any way.

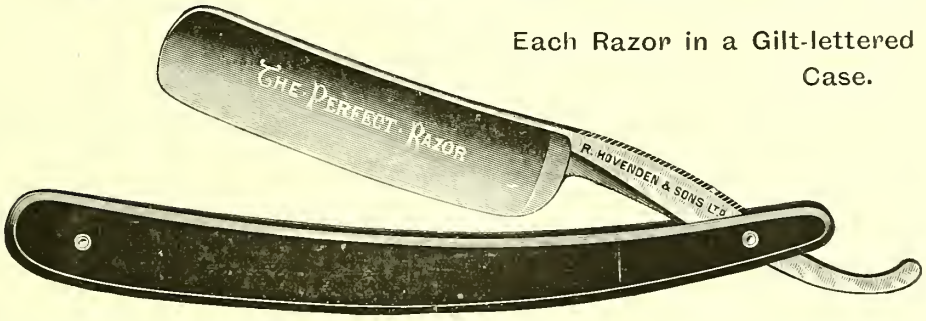
THE "RENZO" RAZOR is made of FINEST SHEFFIELD STEEL, and is ground and set by EXPERT ENGLISH WORKMEN. The Blade, being full hollow-ground and set ready for use, renders shaving a luxury.

		s.	d.	
No. 2.—½-in.	Black Handle, jimpt and file-cut tang, round point	27	0	per doz.
No. 2.—⅝-in.	,, ,, ,, ,, ,, ,, ,, ...	27	0	,,
No. 2.—¾-in.	,, ,, ,, ,, ,, ,, ,, ...	27	0	,,

THE "PERFECT" RAZOR. No. 1009.

Each Razor in a Gilt-lettered Case.

British Made by British Labour.



No. 1009.—½-in., ⅝-in. and ¾-in. Black Handles, round points ... ... **36/-** per doz.

PRICES SUBJECT TO 2½% CASH DISCOUNT.

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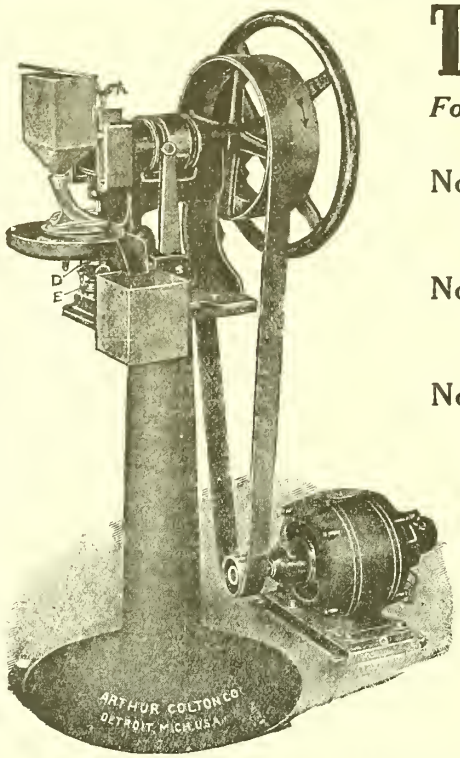

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No. 2B MACHINE for tablets $\frac{1}{8}$ in. to $\frac{1}{2}$ in. diameter, including 3 sets of punches and dies, **£15 10 0**
(This machine has a capacity of 125 tablets per minute.

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(This machine has a capacity of 100 tablets per minute.)

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A massive machine of great power. (Capacity 90 tablets per minute.)

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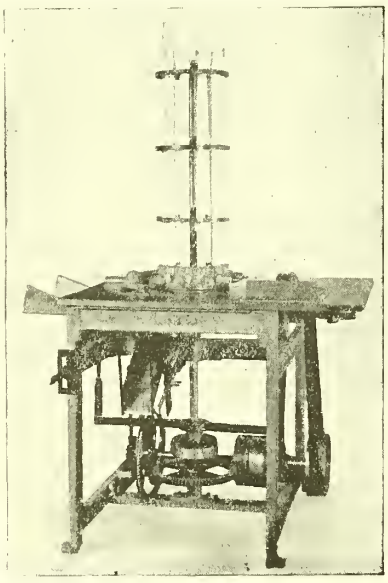
Complete Plant for Making Bandages.

CLOTH ROLLING & MEASURING MACHINE.
BANDAGE PAPERING MACHINE.
BANDAGE CUTTING MACHINE.

BANDAGE CUTTING MACHINE



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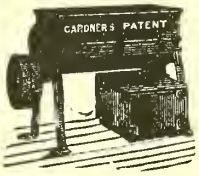

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Within the extensive districts served by the Great Western Railway Company's system of upwards of 3,000 miles of railway, there are in various localities considerable areas of available land admirably situated and otherwise suitable for the establishment of Works, Factories, etc., in connection with different kinds of Industrial undertakings. These sites are within easy access of some of the principal Ports, Coal and Ironstone Fields, and Iron and Steel producing centres.

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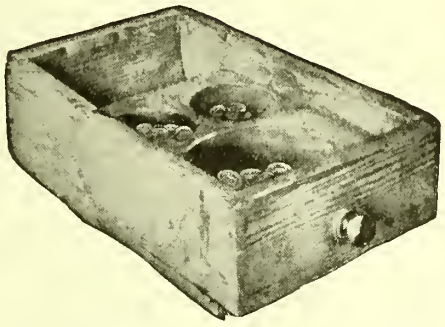
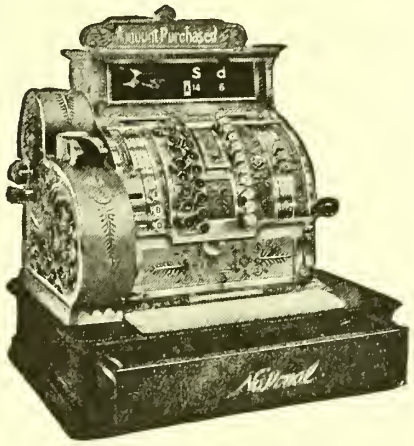


One of the losing methods.



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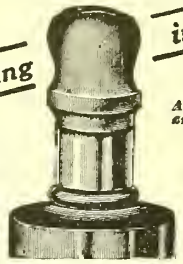

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6d.

Make your old Hat a new one.

In bottles, 6d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS.
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CHEAP BOTTLES for dispensing.

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½	1	1½	2 oz.	Plain or teaspoons.
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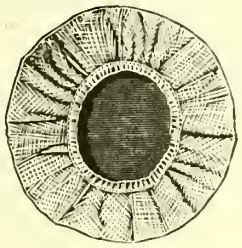
MADE ON OUR PREMISES.



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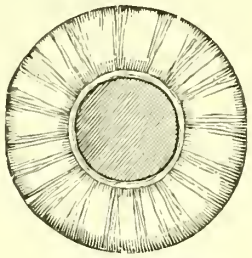

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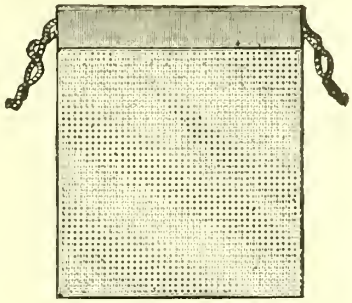

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Check Sheeting, Jaconette, pink, drab or yellow ... ... per doz. 4/6
„ Twill „ superior quality, „ or coloured proofing ... „ 6/6

We make these in sizes suitable for School Children at 4/- per doz.

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SPONGE BAGS.	Sizes 7×6	8×7	9×8	10×9	11×10	12×11	13×11	14×13
Check Sheeting, per doz.	**3/3**	**3/9**	**4/3**	**5/-**	**6/-**	**7/-**	**9/-**	**10/9**
Check Twill, super, „	**4/3**	**5/3**	**6/6**	**7/6**	**9/-**	**10/-**	**12/6**	**15/-**

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THE OXYGEN TOOTH POWDER.

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Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, *London, Eng.*

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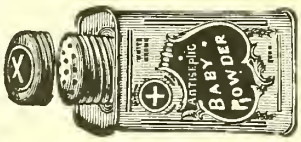

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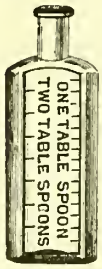

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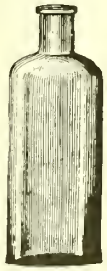

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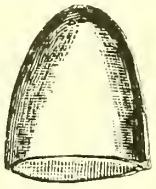

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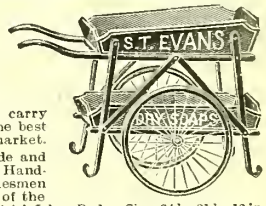

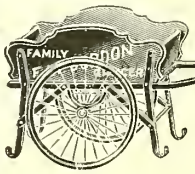

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Summary.

Leading drug-companies are in a flourishing condition (p. 40).

Easter holiday arrangements by London wholesale houses are mentioned on p. 36.

The new B.P. is to come into force in the Cape Province on January 1, 1916 (p. 57).

Lanolin, medinal, and nutrose are the expired patents dealt with this week (p. 47).

Profit on "patents" is again a burning question in our correspondence columns (pp. 58-59).

"Back to Lister" is the title of an interesting lecture by Sir R. J. Godlee, Bart., reported on p. 58.

A correspondent communicates an interesting letter on the state of pharmacy and trade in Switzerland (p. 39).

An amusing statement by a German paper about how well off Germany is for drugs and badly off other countries are is epitomised on p. 34.

It was fifty years on Tuesday since the Pharmaceutical Council's Bill to amend the Pharmacy Act, 1868, was introduced into Parliament (p. 60).

Parliament adjourned on Tuesday. Mr. Lloyd George, in reply to a question, held out no hope of further facilities for obtaining duty-free alcohol (p. 48).

The Insurance Drug Tariff being in the melting-pot, we submit some considerations, chiefly retrospective, with the object of warning chemists not to play into the hands of panel doctors who want the dispensing to do (p. 44). Read also the extraordinary medical view reprinted on p. 51.

There is still a good demand for chemicals and drugs, and the rising tendency of values continues. Makers of iodide, bromides, bismuth salts, caffeine, morphine, codeine, etc., are extremely busy, and cannot keep pace with orders. Cod-liver oil is nominally higher again. Ammon. carb., copperas, potash permang., potash prussiate, acetanilide, and formaldehyde are all in sellers' favour. Santonin and vanilla are cheaper (p. 53).

European War.

Reprisals Proclamation.—A Supplement to the "London Gazette" of March 15 contains the text of the Proclamation, dated March 11, setting forth the measures which this country, in conjunction with its Allies, has decided to adopt "in order to prevent commodities of any kind from reaching or leaving Germany." The preamble summarises the German Government's declaration against merchant shipping in British waters, and states that attempts to enforce that declaration have given this country an unquestionable right of retaliation. This right will be enforced without risk to neutral ships or to neutral or non-combatant life, and in strict observance of the dictates of humanity. The principal provisions in the Proclamation are that no merchant vessel will be allowed to proceed to a German port, and, failing the receipt of a pass to proceed to a neutral or allied harbour, the cargo must be discharged in a British port and placed in the custody of the Prize Court. All ships from German ports will be stopped and the cargoes discharged in a British or allied port. Ships to or from neutral ports having on board goods for the enemy or goods of enemy origin, may also be required to discharge these in a British or allied port. Goods destined for Germany, if not contraband and not requisitioned by the Government, will be restored to the owner on terms to be fixed by the Prize Court. Goods from Germany, if not requisitioned, will be detained or sold.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero.

Twenty-sixth List.

Burne, C. E. (lately with Mr. James Taylor, Ph.C. (Ireland), Enniscorthy), R.A.M.C.

Dickson, W. H., son of the Rev. J. Dickson, Methodist Manse, Cranagill, Portadown (lately with Mr. H. E. Young, Ph.C., Strand, Londonderry), 42nd Royal Highlanders (Black Watch).

Fricker, Sergeant Lionel, of Helpringham, Sleaford, 15th Field Ambulance, R.A.M.C., British Expeditionary Force.

Larbalestier, Lance-Corporal Philip, R.A.M.C. (R.M.S.J.); Trooper Cecil Morris Larbalestier, Canadian Mounted Rifles; Driver Charles Henry Larbalestier and Gunner Bernard Larbalestier, Canadian Field Artillery; and Private Morris Larbalestier, 7th Battalion Royal Irish Rifles (sons of Mrs. Larbalestier, Jersey, proprietress of the Original Jersey Eau de Cologne).

O'Riordan, T. O. (lately with Mr. James Taylor, Ph.C. (Ireland), Enniscorthy), R.A.M.C.

Ransom, Hubert (third son of Mr. Francis Ransom, Hitchin), Royal Naval Flying Corps (Motor Cyclist Section). Mr. H. Ransom is under orders for service in German South-West Africa.

Veale-Williams, Acting Sergeant-Major, of Austins, Ltd., manufacturing chemists, Bermondsey Street, S.E., Optimists' National Corps, Ambulance Section.

Williams, E. Jesse (only son of Mr. W. Jesse Williams, Ph.C., Dewsbury), Grenadier Guards (to be transferred shortly to the Welsh Guards).

The following additional members of the staff of Ayrton, Saunders & Co., Ltd., Liverpool, have joined the Colours: Stanley Evans and John Norton.

The undermentioned employés of Austins, Ltd., manufacturing chemists, 196 to 202 Bermondsey Street, London, S.E., are serving with the Forces: W. Gibbs, Hampshire Regiment; R. Meyer, interned in Holland; C. Perry, County of London Regiment (Queen's); and J. Webb, R.A.M.C.

East Indian Indigo.

The Board of Trade announce that in order to mitigate the effects of the shortage of indigo for dyeing-purposes caused by the present war, and also to prevent any speculative holding-up of natural indigo, H.M. Government have acquired the greater part of the crop of natural indigo now coming forward, for the use of dye-users in the United Kingdom. British dye-using firms desirous of participating in this supply should make early application to the Government brokers, Lewis & Peat, 6 Mincing Lane, London, E.C., who will furnish further particulars, and who are instructed to allocate the amount

available among *bonâ-fide* users of dyes as nearly as may be in accordance with their requirements, at prices just sufficient to cover the cost of acquisition by the Government and the expenses of distribution. Priority will be given to Government contractors, and no application will be entertained from dealers, other than commission buyers acting on behalf of dye-users.

Contraband of War.

The following additional articles have been made contraband of war by the United Kingdom during the continuance of hostilities or until further notice: Tin, chloride of tin, tin ore, castor oil, paraffin wax, copper iodide, lubricants, ammonia and its salts, whether simple or compound, ammonia liquor, urea, aniline, and their compounds. Tanning-substances of all kinds (including extracts for use in tanning) are declared as "conditional contraband." It is further declared that the terms "foodstuffs" and "feeding-stuffs for animals" in the list of conditional contraband, contained in the Royal Proclamation of December 23 last, shall be deemed to include oleaginous seeds, nuts, and kernels, animal and vegetable oils and fats (other than linseed oil) suitable for use in the manufacture of margarine, and cakes and meals made from oleaginous seeds, nuts, and kernels.

Notices as to Exports of Chemicals, etc.

Egypt.—The Board of Trade have received a statement giving a list of articles the exportation of which is prohibited or restricted by the Egyptian Government, which includes druggists' wares and medicaments of all kinds, with the exception of opium, caustic soda, natural salt, natural phosphates, and gum arabic. Datura, stramonium, henbane, colocynth, hemlock, and senna may only be exported to the United Kingdom and France.

Spain.—Telegraphic information has been received by the Board of Trade that the exportation of potassium salts has been prohibited.

Switzerland.—The Federal Council, under date of March 2, has prohibited the exportation of potassium chlorate, shellac, copper sulphate, and so-called "fungivore" products.

Aniline Dyes.

The German Government has published the following statement:

Since the English Government has stated that it is willing to permit the importation of certain German goods, especially dyes, which England needs, the fear has been expressed in a part of our Press that our enemies might, by importation of German goods, be able to provide themselves with things which are indispensable for the continuation of the war. In reply to this it must be stated that vetoes upon exports of the goods, the importation of which England now desires to permit, have been in force in Germany for a long time past, and are being enforced with all severity.

This is interesting, particularly as showing how well we have been getting along without them. English manufacturers of khaki cloth and the like have for some time been producing more than is needed by the military authorities.

Belgian Doctors' and Pharmacists' Relief Fund.

The subscriptions during the past week amount to 23*l.* The subscribers are as follows: G. E. M. Knight, 1*l.* 1*s.*; F. G. Knight, 1*l.* 1*s.*; A. Hanson, 10*s.* 6*d.*; "Essex Pharmacist," 1*l.* 1*s.*; J. Chapman, 1*l.* 1*s.*; E. Brown, 10*s.* 6*d.*; W. R. Brown, 1*l.* 1*s.*; F. H. Hendry, 12*s.* 3*d.*; P. Hogley, 4*s.*; R. Hall, 1*l.* 1*s.* Bradford Pharmacists' Association (per W. I. Jolly), 10*l.* Collected by Gateshead Chemists' Association (per A. D. Wyllie: W. W. Gale, 10*s.* 6*d.*; R. Spink, 10*s.* 6*d.*; G. H. Martin, 10*s.* 6*d.*; A. D. Wyllie, 10*s.* 6*d.*; R. Elliott, 10*s.*; J. Manners, 5*s.*; H. S. Davison, 5*s.*; C. E. Akeroyd, 5*s.*; H. N. Popham, 5*s.*; R. Glendinning, 5*s.*; W. Moffatt, 5*s.*; L. Dunn, 5*s.*; E. Thompson, 5*s.*; G. T. Hogg, 5*s.*; R. Gardner, 5*s.*; W. Greenwell, 5*s.*; W. Clark, 5*s.*; R. W. Wilson, 5*s.* Mr. Thomas Miller forwards the following third list of amounts collected in the Manchester district: Benger, Ltd., 26*l.* 5*s.*; J. Bell, 1*l.* 1*s.*; A. E. H. Blackburn, 1*l.* 1*s.*; J. Cleworth, 1*l.* 1*s.*; Johnson, 1*l.* 1*s.*; H. A. Travis, 1*l.* 1*s.*; Wild & Salthouse, 1*l.* 1*s.*; A. & E. Jeans, 1*l.*; W. Kirkby, 10*s.* 6*d.*; D. Mayor, 10*s.* 6*d.*; A. W. Noddings, 10*s.* 6*d.*; R. Swinn, 10*s.* 6*d.*; Stocks & Jacklin, Ltd. (per Mr. Shaw), 10*s.* 6*d.*; T. Woodruffe, 10*s.* 6*d.*; F. A. Eastwood, 10*s.*; R. Gibson & Sons, 10*s.*; J. Holroyd, 10*s.*; J. Hope, 10*s.*; E. Stabler, 10*s.*; T. Stoddart, 10*s.*; R. Wheeldon, 10*s.*; J. J. Wilson, 10*s.*; L. E. Beedle, 5*s.*; Mrs. Bushby, 5*s.*; G. F. Bushby, 5*s.*; J. W. Bygott, 5*s.*; W. Edwards, 5*s.*; F. B. Flint, 5*s.*; A. P. Golden, 5*s.*; G. H. Haines, 5*s.*; H. Haworth, 5*s.*; E. Harding, 5*s.*; G. A. Holland, 5*s.*; E. Lupton, 5*s.*; G. Marsden, 5*s.*; H. C. Moses, 5*s.*; W. H. Owen, 5*s.*; A. H. Robertson, 5*s.*; J. E. Schofield, 5*s.*; E. W. Terry, 5*s.*; W. Uttley, 5*s.*; Wright & Barnaby, 5*s.*; A. A. Auger, 2*s.* 6*d.*; H. Garnett, 2*s.* 6*d.*; — Lateward, jun., 2*s.* 6*d.*

Subscriptions may be sent to Mr. Woolcock, 17 Bloomsbury Square, London, W.C.

Personalia.

Private Kenneth Strachan, chemist's assistant, of Maryburgh, Dingwall, of the 4th Battalion Seaforth Highlanders (Territorials), has been wounded in the recent fighting in Belgium.

The name of Lieut. John Ransom, Royal Berks Regiment, eldest son of Mr. and Mrs. Francis Ransom, The Chilterns, Hitchin, appears in the list of wounded officially issued under date March 13. We understand that he is seriously wounded in the leg, and is now in hospital at Boulogne. Lieut. Ransom obtained his commission before the outbreak of war, and has taken part in the operations in Belgium and Northern France since the begining of the war. His portrait was given in our issue of September 26, 1914, p. 60.

Amid scenes of much public rejoicing the freedom of Drogheda was conferred on Drummer Kenny, V.C., Gordon Highlanders, on Wednesday, March 17. Kenny is a native of Drogheda, and was formerly employed in a medical hall. The town was *en fête* on Wednesday. The Corporation assembled, and the Mayor asked Kenny to sign his name on the roll of freemen. The Mayor then shook hands with him, and announced that the Corporation, accompanied by Kenny, would proceed in processional order to St. Peter's Catholic Church to be present at High Mass. On returning a monster procession was formed, and at Horse Fair Square the Mayor handed the certificate of freeman to Kenny, who said he valued it more than any other honour he had gained. A money testimonial is also to be presented to Kenny.

Drummer Kenny, V.C.

Miscellaneous.

A large consignment of castor oil, needed for aeroplanes, has been seized in Venice while it was being shipped to Trieste as "oranges."

British Copper Sulphate.—The Spanish Premier has been petitioned to ask the British Government to permit the importation into Spain of British copper sulphate.

Lysol in Australia.—Five applications have been made in Australia for the avoidance or suspension of the "Lysol" trade-mark. The public were not admitted to the hearings, which appear to be quite formal in character. One of the applicants was the agent in Australia for Schulke & Mayr's lysol.

"The Rubbish Heap" is a label on the lower part of a window-display at the pharmacy of Mr. H. W. Plews, 14 Basinghall Street, London, E.C. The label, triangular in form, has affixed to it some reproductions of the German "Iron Cross," and surmounts a pile of broken cartons of sanatogen, formamint, aspirin Bayer, and broken eau-de-Cologne and Hunyadi-water bottles. The window is attracting considerable attention from passers-by.

At a meeting of the British Brush-manufacturers' Association it was decided to make an appeal to the brush-trade of the United Kingdom for contributions to the funds of the British Red Cross Society. March 20 has been appointed as a collecting-day. Subscriptions will on that day be collected from workpeople at brush-factories, and these, together with the employers' contributions, will be sent to the Treasurers of the Brush-trade Contribution, Messrs. E. H. Matthews and T. Marston Till, 21 Bucklersbury, London, E.C.

Russian Chemical-industry.—With regard to the efforts being made to render Russia independent of the German chemical-industry, Professor A. Tschitschibabin, of Moscow University, remarks, in an article on "Science and Chemical-industry," that nearly all raw material required for chemical-industry is to be found in Russia. He attributes Russia's slowness in this respect, first, to the insufficient railway system, and, secondly, to the aversion of the Russians to science. Russian chemical-industry, he states,

must have a solid foundation on Russian chemical science, and it is a remarkable and deplorable fact that the number of scientists in Russia is extremely small.

Scarcity of Drugs Outside Germany.

When war broke out, says the "Frankfurter Zeitung," it was feared that in spite of the export prohibition there would be a scarcity of some drugs in Germany—namely, in those for which the raw materials are obtained from abroad. This fear proved to be groundless. We hold stocks in the empire which are not only sufficient for the drug-supply of our army and people, but which even allow us to supply our allies and neutral countries to a limited extent. We are therefore quite independent. Although the prices of some preparations have been raised, or a rise is anticipated, there are still plenty of supplies, even of morphine and cocaine. Austria-Hungary is also in a favourable position. The case is different in other countries abroad. In England the position is serious. When trade was stopped the prices of a number of important drugs went up at a bound by several hundreds per cent., as business in these products, especially in synthetically prepared drugs, alkaloids, etc., is quite dependent upon Germany and Austria. It is significant, moreover, that the publication of the new British Pharmacopœia, which was to come into force at the beginning of 1915, was delayed, as the covers are made in Germany. In Russia there is a scarcity of chemical and pharmaceutical articles. The position in neutral countries is brighter. In Sweden there was a scarcity of iodine and morphine, but the Government obtained in time from London and New York enough for one year. This also happened in Denmark. In Norway official investigation showed that stocks would only last six months, and the Government got small quantities from England and America at very high prices. Export permits were then granted by the German Government, the country was supplied, and, to the agreeable surprise of the Norwegians, the German industry did not ask prices higher than before the war. In Switzerland they are also short of many important drugs, including morphine, of which it was officially reported recently that there were still large quantities at disposal. The prices are exorbitant, and have risen by 40, 50, and 90 per cent., and for iodine by 200 to 300 per cent. The article proceeds to refer to the efforts in England to follow the example of Germany by creating a chemical industry, and states that it is significant that the High Court of Justice refused the request of Burroughs Wellcome & Co. for the right of producing salvarsan, and gave the permission to the Höchst Farbwerke in England, which had been closed since the beginning of the war, to resume under State control, "in the public interest," the manufacture of the drug. The article concludes: "The whole development is a splendid proof of the significance of German industrial work, and shows the foolishness of engaging upon a trade-war for which one is not prepared."

[This is as nice a fairy tale as we have read for some time. The statements about the B.P. and salvarsan are exquisite "whoppers"! Editor *C. & D.*]

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed Corner for Students, "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, March 23, on which day the samples will be posted.

Students' reports will be received up to Saturday, April 3. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the final exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The annual meeting of the Society of Chemical Industry is to be held in Manchester on July 14.

The Derby Guardians have decided to postpone the building of their new infirmary, which is to cost 35,000*l.*

The late Mr. Robert Drane's collection of old Worcester china has been purchased by Mr. Herbert Eccles, J.P., of The Gnoll, Neath.

Mr. T. E. Simpson, ironmonger, High Street, Newmarket, is applying to the Cambs County Council for an agri-horticultural poisons licence.

Nine chemists at Bedford announce that from March 22 their pharmacies will be closed each day except Saturday from 1.15 P.M. to 2.15 P.M. for the dinner-hour.

The Local Government Board has granted 20*l.* per annum to Mr. J. Bourke, dispenser at Bermondsey infirmary, for his services as private clerk to the medical superintendent, Dr. E. S. Bell.

Pudsey Chamber of Trade has requested all affiliated associations and trade sections to fix suitable early-closing hours for each day except half-holidays and Saturdays. Ten o'clock has been fixed for all-round closing on Saturdays.

Four poisoning fatalities have been recorded during the week. A doctor at Buxton died through taking an overdose of chloroform which he was in the habit of using for the relief of pain. The other poisons—ammonia (two cases) and spirit of salt—were administered with suicidal intent.

Worcestershire County Council on March 12 issued an order for pharmacists to close at 7 P.M. on Mondays, Tuesdays, and Thursdays; 1 P.M. on Wednesdays; 8 P.M. on Fridays; and 10 P.M. on Saturdays, from October 1 to March 31 inclusive; and at 8 P.M. on Mondays, Tuesdays, and Thursdays; 1 P.M. on Wednesdays; 9 P.M. on Fridays; and 10 P.M. on Saturdays for the rest of the year.

The School Management Sub-Committee of the West Ham Education Committee has considered the question of the supply of scientific apparatus and chemicals to the schools, and has recommended, in view of the unsettled state of the market, the Committee should not enter into a contract for these supplies, but that for the present quotations be invited for supplies as required, and that the most favourable prices be accepted.

Extensive damage was done to the shop of Mr. F. H. Ruoff, chemist and druggist, 10 London Road, Portsmouth, on March 12. A steam-lorry was being unloaded near Mr. Ruoff's pharmacy, and was set in motion by two soldiers, one of whom mischievously pulled a lever, causing the lorry to run backwards over the pavement, when it crashed through the fronts of two shops, one of which was Mr. Ruoff's. One of the soldiers decamped, but the other was arrested, and is now under remand.

General Medical Council.

At the meeting in London of the Executive Council on February 22 a communication was received from Dr. F. J. Waldo, Coroner for the City of London, reporting the approval of a jury and of himself that the Council had increased the strength of laudanum so as to bring it within Part I. of the scheduled list of poisons, and expressing the hope that the Council would not allow "laudanum" as a synonym for tinct. opii to be dissociated. The same communication was sent to the Privy Council and the Council of the Pharmaceutical Society. The General Medical Council ordered that the City Coroner be thanked for his communication, and that it be remitted to the Pharmacopœia Committee for its information. Correspondence with the College of Physicians and Surgeons of Ontario regarding reciprocity was read, and further communications from the College are awaited. The Royal College of Physicians of Ireland and the Royal College of Surgeons in Ireland protested against

the recognition by the Council of the medical degrees of the University of Allahabad. A reply was ordered to be sent. The Council considered that the terms of the Medical Act, 1886, had been fulfilled in recognising the degrees in question. Recognition of the L.M.S. degree of the University of Madras was refused.

Contracts for Drugs, etc.

The following information regarding contracts for drugs and allied products has been received since our last issue :

Bedford Guardians (for three months' supplies).—W. A. Stevens, for borax, carbolic soap, and McDougall's disinfectant; Jolley & Clarke, for white Windsor soap; Dudeney & Johnston, for Bovril; Johnson & Co., for Oxo; Taylor, Brawn & Flood, Ltd., appointed chemists for six months.

Beverley Town Council.—Mr. T. M. Steedman, chemist and druggist, Beverley, for chemists' goods for one year.

Bradford Guardians (St. Luke's Hospital Committee).—M. Shaerer & Co., London, for an operating-table and accessories (77*l.*); Down Bros., London, for an anæsthetic-table, dressing-table, and operation-stool (13*l.* 13*s.*).

Chard Guardians.—Mr. A. Wallace Sanders, chemist and druggist, for drugs and dressings (April 1 to June 30).

Chichester Guardians (for three months' supplies).—The Timothy White Co., Ltd., for Jeyes' sanitary soap, carbolic acid (crude), and cod-liver oil; F. J. French, for Jeyes' fluid and sulphur cakes.

Chipping Norton Guardians.—Mr. A. G. Felthouse, chemist and druggist, for disinfectants.

Colchester Guardians.—Mr. A. Weddell, Ph.C., appointed chemist for six months.

Dartford Guardians.—Corbyn, Stacey & Co., Ltd., London, for drugs and druggists' sundries; the Sanitas Co., Ltd., for disinfectant-fluid.

Ealing Town Council (for six months' supplies). Forbes, Abbott & Lennard, Ltd., for carbolic acid and pink carbolic powder; Young & Co., for formalin solution; the Sanitas Co., Ltd., for "Sanitas."

Forehoe Guardians.—Mr. F. T. Alpe, Wymondham, chemists' supplies.

Grantham Town Council.—Hopkinson & Co., chemists, for disinfectants for one year.

Hammersmith Brough Council.—Adcocks, Ltd., for carbolic acid (crude); Middleton Bros., Ltd., for carbolic soap and permanganate of potash; Sanitas Co., Ltd., for sulphur candles; Forbes, Abbott & Lennard, Ltd., for carbolic powder all for one year. The Council has been recommended to accept the tender of Christopher Thomas & Bros. for the supply of primrose soap for one year.

Isle of Thanet Joint Hospital Board.—Mr. H. Weston, chemist and druggist, 16 King Street, Ramsgate, appointed chemist for one year.

Kensington Guardians have been recommended to accept the following tenders for six months' supplies: The Rubber Co. of Scotland, Ltd., for waterproof sheeting; J. G. Ingram & Son, for indiarubber goods; T. Hodgkinson, Prestons & King, for drugs; and S. Maw, Son & Sons, for druggists' sundries, wool, lint, tow, etc.

Marylebone Guardians (for a fortnight's supplies).—Corbyn, Stacey & Co., Ltd., for drugs; S. Maw, Son & Sons, for druggists' sundries.

Mitford and Launditch Guardians.—Mr. J. Dent and Mr. E. Peck, Dereham, for drugs.

Newcastle-under-Lyme Guardians.—Mr. C. J. Wain, chemist and druggist, drugs and dressings.

Richmond Guardians.—Corbyn, Stacey & Co., for drugs (23*l.* 12*s.* 2*d.*).

Yarmouth Guardians.—Mr. T. J. Woodcock, chemist and druggist, Yarmouth, for cod-liver oil (9*d.* per pint, 6*s.* per gal.), Howards' quinine sulphate (1*s.* 9*d.* per oz.), linseed meal (20*s.* 6*d.* per cwt.), olive oil (6*s.* per gal.), single trusses (1*s.* 3*d.*), double trusses (1*s.* 9*d.*), and drugs (British Drug Houses' list, net prices).

Yeovil Town Council.—Newton, Chambers & Co., Ltd., Killgerm Co., Ltd., W. T. Bruce & Co., the Sanitas Co., Ltd., and the Timothy White Co., Ltd., for disinfectants.

Newport (Mon.) Guardians have considered a letter from Ferris & Co., Ltd., Bristol, stating that they are not prepared to tender, upon the Guardians' contract conditions at fixed prices, for the supply of drugs for either six or twelve months. They submitted their present quotations for drugs in the Guardians' schedule, and suggested that these rates, subject to revision at any time without notice, should form the basis of their charges, and that they should have the right to decline to supply either the whole or part of any order if they found it necessary. The Guardians agreed that drugs, surgical dressings, etc., should be ordered from Ferris & Co., Ltd., as required, according to the conditions suggested.

Easter Holidays.

The following London business houses will close for the Easter holidays from Thursday evening, April 1, to Tuesday morning, April 6 :

Allen & Hanburys, Ltd. (urgent orders will be executed at 37 Lombard Street, E.C., and 7 Vere Street, W.).

Baiss Bros. & Stevenson, Ltd., Grange Road, Bermondsey.

Boulton-Maero, Ltd., Crayford Mills, Stratford, E.

Burroughs Wellcome & Co., Snow Hill Buildings, E.C.

T. Christy & Co., Old Swan Lane, Upper Thames Street, E.C. (Also on April 6 at 4 P.M.)

S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

May, Roberts & Co., Ltd., 7-11 Clerkenwell Road, E.C.

F. Newbery & Sons, Ltd., 27-28 Charterhouse Square, E.C.

Parke, Davis & Co., Beak Street, Regent Street, W.

F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, N.

T. & H. Smith, Ltd., 22 City Road, E.C.

T. Tyrer & Co., Ltd., Sterling Chemical-works, Stratford, E.

The following will be open for urgent business on April 3 :

The British Drug Houses, Ltd., 22 30 Graham Street, City Road, N.

Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E.

Poor-law Dispensers.

The resignation of Mr. C. H. Russell, dispenser at Kensington Parish infirmary, has been accepted by the Local Government Board.

Miss J. Andrews has been appointed dispenser to the Kingston-upon-Hull Incorporation. The appointment has been sanctioned by the Local Government Board.

Birmingham.

Colonel W. F. Wyley, F.C.S., occupied a seat on the judicial Bench with his chaplain during the Birmingham Assizes in the Crown Court, over which Mr. Justice Rowlatt presided.

Mr. Laurence Cadbury, of Bournville Works, is with the Friends' Ambulance Unit in France, and Mr. Egbert Cadbury is helping in the dangerous work of mine-sweeping in the North Sea.

Mr. A. J. Featherstone, Hill Street, has acquired the scientific library of the late Mr. H. W. Jones. It includes works on quinology, rubber, foods, drugs, mycology, plant-pests, agriculture, metallurgy, pharmacy, painting, and paints and varnishes.

Manchester.

Mr. Morten Dodge, chemist and druggist, Albert Street, is advertising his "first and last" sale previous to removing to new premises in Clarence Street.

The result of the recent examination in first aid has been highly satisfactory to the members of the local Chemists' Assistants' Association. The classes were resumed on March 17 in the Medical School of the University, and it is hoped to raise the detachment to full strength (fifty-six members).

Notwithstanding the demands made on chemists at present, the pharmacists of Manchester, Salford, and district have not allowed the Worsley Hall Red Cross Hospital (for which they guaranteed to supply the necessary drugs, etc., for twelve months) to suffer. Over 100*l.* has been subscribed for this object, in addition to gifts of goods and surgical requisites from local wholesale houses.

Sheffield.

The authorities have under consideration the advisability of issuing an order for the general closing of shops on Thursday afternoons. They desire that chemists should fall in with the contemplated order.

Mr. H. G. Fletcher, chemist and druggist, Eckington, has been re-elected President of the Eckington Unionist Association. Mr. Fletcher is a member of the Derbyshire Insurance Committee, and has been a director of the Eckington Gas Co. since 1901.

The Sheffield branch of the Incorporated Society of Pharmacy and Drug-store Proprietors held a successful whist-drive on March 11 at the Exchange Restaurant. Over 100 members and guests were present, including Mr. W. H. Huntrods (President), Mr. N. D. Vine (General

Secretary), Mr. Escritt (Treasurer), and Councillor Childe, from Leeds. Mr. O. Wright acted as M.C., and the local President (Mr. A. Russell Fox) distributed the prizes.

The Scientific Advisory Committee of Sheffield University has arranged, for the last three days of this week, an exhibition of laboratory materials of British manufacture, in the chemistry department at Western Bank. While the exhibition is not large, it indicates the progress that has been made in the manufacture of such goods in Britain. The exhibits include samples of glassware, porcelain, glass wool, transparent and opaque silica-ware, metallic acid-resisting vessels, etc., which, with the exception of the silica-ware, were mostly manufactured in Germany and Austria previous to the outbreak of war.

From Various Courts.

At Ryde on March 6, a lad named William Cossins (9) was placed on probation for six months for stealing 1*l.* from the shop of the Timothy White Co., Ltd., 125 High Street, Ryde, on March 1.

A case arising out of a motor-car collision on September 20, 1914, was heard by Judge Bryn Roberts, at Pontypridd County Court, on March 13, when Dan Thomas, chemist, Penarth Road, Cardiff, sued Alexander Burgoyne, motor-car proprietor, Pontypridd, for 30*l.* damages, alleged to have been caused by the negligence of defendant. His Honour found for the defendant.

At the Brentford Police Court on March 16, Frank Miller (35) was remanded on a charge, *inter alia*, of obtaining credit to the amount of 3*l.* from Mr. A. V. Dewdney, chemist and druggist, manager to Mr. Ronald F. Fife, chemist and druggist, Cambridge Parade, Twickenham, with intent to defraud. There were two other charges in respect to obtaining food and lodging by false pretences to the extent of 14*l.* 11*s.* 1*d.* at Twickenham.

At Eastbourne, on March 12, Boots, Cash Chemists (Southern), Ltd., were summoned, under the Defence of the Realm Act, for having the windows of their shop in Terminus Road too brilliantly lighted on January 29 and February 19 and 27. Mr. W. E. Pilgrim, the local manager, explained that an outside light had been switched on by mistake through the use of a new switchboard with which he was not familiar. The Bench imposed a fine of 1*l.*, with 6*s.* costs.

At an inquest held by the East London Coroner at Stepney on March 13, concerning the death of Millie Bryman (2½), it was stated in evidence that the child had been ill and had been attended by a doctor in Mile End Road, from whose surgery medicine had been obtained, of which the prescribed dose was given. The child, however, died, and it was afterwards noticed that the bottle bore the name of a Mr. Samuel, whose medicine, it was discovered, had been handed out in mistake. Medical evidence was given to the effect that death was due to natural causes, and was neither caused nor accelerated by the medicine. The jury returned a verdict in accordance with the medical evidence, and expressed the opinion that more care should be exercised in the handing-out of medicines.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

An advertisement in the Coloured Supplement calls attention to the fact that on April 13 the Council will proceed to the appointment of an Examiner for the Practical Pharmacy division of the Pharmaceutical Licence examination. Further particulars of the appointment will be supplied on application to the Registrar.

Brevities.

Dr. J. C. McWalter, Governor of the Apothecaries' Hall of Ireland, gave a dinner on St. Patrick's night (March 17) at the Gresham Hotel, Dublin.

The premises of O'Hare & O'Hagan, chemists, Newry, were broken into last week. Between 2*l.* and 3*l.*, a flash-lamp, and other articles were stolen from a desk.

The Donegal Guardians passed a resolution on March 14 that the medical officers be requested this year to order as little medicine and as few surgical appliances as possible.

Mr. T. R. Cambridge, son of Mr. Robert Cambridge, J.P., Carrickfergus, ex-President of the Chemists' and Druggists' Society of Ireland, has been granted a commission in the 18th (Reserve) Battalion Royal Irish Rifles.

An interesting reference to the relations between the Apothecaries' Hall, Dublin, and one of the Dublin newspapers was made by Alderman Dr. J. C. McWalter at the annual meeting of the shareholders of the "Freeman's Journal," Ltd., which was held in Dublin last week. Speaking as a shareholder at the meeting, Dr. McWalter said he took a considerable interest in the paper. Its founder, Dr. Lucas, 150 years ago was Master of the Apothecaries' Hall in Dublin, and he (Dr. McWalter) happened to be Master of the Institution for the present year, so that after the long period of 150 years the Master of one of the old Dublin Guilds is once again associated with the paper.

Drug and Surgical-appliance Contracts.

Irish Boards of Guardians have accepted tenders for the supply of medicines and medical and surgical appliances, as follows. It will be observed that, as the result of the war, prices have shown a considerable all-round increase. The percentages indicate the discounts allowed off the standard list:

Union	Medicines	Surgical Appliances
Bandon ...	Cork Chemical and Drug Co., 22½%	Fielding & Co. (Cork), 25½ %
Carrick-on-Suir	Boileau & Boyd (Dublin), 24%	Fielding & Co., 25 %
Castlerea ...	Boileau & Boyd, 23¾%	Adamson & Co. (Ballina), 20%
Donegal ...	Boileau & Boyd, 23¾%	Connor & Son (Newry), 2[illegible] ½%
Fermoy ...	Boileau & Boyd, 24 %	Fielding & Co., 25½ %
Granard ...	Boileau & Boyd, 22¾%	Fannin & Co. (Dublin), 25%
Inishowen ...	Boileau & Boyd, 22¾%	Connor & Son, 22½%
Loughrea ...	Boileau & Boyd, 20½%	Boileau & Boyd, 25½%
Newry	Boileau & Boyd, 26¼%	Connor & Son, 27½%
Newtownards	Boileau & Boyd, 26¼%	Clarke & Co. (Belfast), 30 %
Omagh... ...	Boileau & Boyd, 24 %	Clarke & Co., 29 %

The Local Government Board have surcharged some of the members of the Corofin Board of Guardians in connection with the drug-contract. One of the Guardians remarked, "That is what you get for supporting home industries."

Boileau & Boyd, medicine-contractors, Dublin, have written to the Gorey Board of Guardians, giving a list of increased prices in the drug-contract from October 1 last, in conformity with the circular of the Local Government Board issued some time ago. The Clerk said so far as he could see they had no authority to pay for these increases. The Chairman said the firm entered into a contract, and they must abide by it. The letter was marked "Read."

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Aberdeen and the North.

Mr. R. Hunter, Union Street, and Mr. D. S. Allan, Holborn Street, have this week excellent window-shows of Wright's coal-tar soap.

The annual meeting of the Aberdeen Dispensary Institution was held on March 10. The annual report was submitted, showing that the number of cases treated at the dispensary during 1914 was 6,088, a decrease of 1,299 compared with 1913. The accounts showed that the receipts for the year amounted to 1,567*l.* 10*s.*, and

the expenditure to 1,062*l.* 14*s.*, to which has to be added a deficiency of 731*l.* from former years, leaving a deficit at December 31, 1914, of 226*l.* 10*s.* This was considered satisfactory, in view of the improvements carried out during the year.

Dundee.

Two pharmacies, at opposite ends of the city, are in the market at present.

The stonework of one of the Carnegie Libraries in the city has been discoloured by a green algal growth. A discussion on the subject at a recent meeting of the Dundee Free Libraries Committee elicited the fact that the application of arsenical weed-killer is the most effective treatment.

Postage-stamps are not now sold at the General Post Office on Sunday evenings, as has been the custom for many years. In consequence chemists' shops are thronged with stamp-buyers at certain hours on Sundays. A member of the craft writes in the local Press protesting against this additional work being thrown on the chemist.

Fife.

Fifeshire beekeepers complain of the ravages of the Isle of Wight disease among their stocks.

Mr. Wm. Smart, chemist and druggist, Buckhaven, has now become the leader of the Socialist section of the local civic rulers.

Unqualified assistants are not to be got in Scotland for love or money, but, unlike other trades, scarcity of labour fails to increase the prices of medicines.

An amusing feature of the scheme for free medicines to soldiers' and sailors' dependants is the number of Co-operative Society bottles brought to the chemists to hold the medicines.

Dr. Mackenzie, Kirkcaldy, who has been in charge of the Sanatorium patients since the introduction of the National Insurance Act, has been appointed assistant county tuberculosis officer at a salary of 350*l.*, in succession to Dr. Balfour S. Nicholson, Cupar, who has secured a post in Derby.

A meeting of the chemists in Cameron Bridge area and the Hospital Committee took place recently, when the local chemists offered to supply drugs at 10 per cent. on wholesale prices. The proposal was then favourably entertained, but in the interval Davidson & Gray, Dundee, submitted a tender, which was accepted. Boots, Ltd., Kirkcaldy, formerly held the contract, but it was found to be inconvenient.

Glasgow.

The monthly medal competition of the Glasgow Pharmacy Golf Club came off on March 16, and Mr. R. M. Jack, with a score of 80, won the medal.

The creditors of F. C. Peebles, chemist and druggist, 353 Garscube Road, Glasgow, have been called to a meeting in the Faculty Hall, St. George's Place, Glasgow, on Friday, March 19.

Twenty-two applications for the post of superintendent of the Central Insurance Checking Bureau will be considered by the Sub-Committee on Friday, March 19. The objectors to the scheme are still trying to block it.

Mr. W. G. Boyd, chemist, Kilmarnock, recently suffered a serious accident to an eye while opening a cask. A splinter from a chisel entered it, and he is now under treatment in a Glasgow nursing home. It is feared that the sight of the eye may not be restored.

Mr. John S. MacArthur, a Scottish metallurgical chemist, who has a small radium factory at Runcorn, is transferring it to Dalvait, Loch Lomondside, so as to get the benefit of the pure water supply. It contains a negligible quantity of solids, and thus saves the use of distilled water.

The Council of the Glasgow and West of Scotland Chemists' Association has arranged with the local Medical Committee and the local branch of the British Medical Association to postpone the operation of the new B.P. till after June 30. Medical men are not prescribing the new B.P. preparations much, nor do they appear to appreciate the changes in strength. Mr. J. F. Gilmour has been nominated for the membership of the Pharmaceutical Council in succession to Mr. David Gilmour, Dunfermline, who is not seeking re-election.

French News.

(From the "C. & D." Paris Correspondent.)

The French V.C.—The Chamber of Deputies decided that the new Order of Military Valour would be awarded to all soldiers "mentioned in despatches." The highest form of this honour is, of course, to be "cité à l'ordre du jour de l'Armée." M. Guillerm, auxiliary pharmacist, has been thus cited for his "sangfroid, zeal, and devotion" in carrying out his duties.

Non-combatant Prisoners.—A good deal has been said and written regarding the detention of non-combatant officers (army surgeons and pharmacists) by the Germans as prisoners of war. This is, of course, a technical contravention of the Geneva Convention, but possibly not so new as some suppose. I am acquainted with a veteran army pharmacist, still serving in the French military laboratories, and therefore anonymous, who was captured with his ambulance at Saint-Privat in 1870, when the Prussians drove back Canrobert's corps. He was taken into Germany and remained a prisoner of war till early in September. In fact, he was never formally released. When the news of the battle of Sedan arrived the German authorities all imagined the war was over, and such officers as had money enough on them to take a ticket to Belgium were perfectly free to do so. My friend was one of these, and was back at Paris a week or so after Sedan, resuming his hospital duties for the duration of the siege. He was, of course, a junior in those days, but he still smiles when the Geneva Convention is too eloquently insisted upon as an absolute law to victorious armies.

A Soldiers' Pharmacy.—The "Pharmacie du Soldat," recently opened on the Boulevard des Italiens, Paris, is a small establishment neatly fitted up in oak, and stocked specially with goods suitable for use at the Front. M. V. Cabanne now "keeps open shop," I understand, for the first time, for though a fully qualified man, he formerly represented a wholesale house. The well-known firm of Robert & Carrière are responsible for most of the stock, and have presumably some interest in this novel venture. The window-show includes, of course, the iodine ampoules so frequently alluded to since the war broke out, and a selection of "Soldiers' Pocket Pharmacies." There are five patterns of the latter—little boxes a few inches square. The smallest (half-crown size) contains two iodine ampoules, powder for sterilising drinking-water, diarrhœa and cough pills, aperient pills, fever-tablets, and pain-killing tablets. In the larger sizes other things are included—a first-aid dressing, digestive and tonic tablets, paregoric elixir, corn-cure, adhesive plaster, etc. Other goods shown are lantol (for tetanus), surgical dressings of various kinds, and a number of handy little things outside strict pharmacy. The "side-lines" include night-lights, the "soldier's café au lait" (Eleska milk-powder and soluble coffee), drinking-chocolate in a similar handy and portable form, "Le Réchaud du Soldat" (a little heater a few inches in circumference), and the "Allies caramels for prisoners of war." Tri-coloured posters are placed on the entrance-door and elsewhere offering every soldier who cares to enter an iodine ampoule gratis. I understand that the ordinary business of a pharmacy—prescription-dispensing, etc.—will not be undertaken, the establishment being exclusively intended for the sale of military specialities—a veritable war pharmacy.

"A Tooth-brush being an inexpensive article, it is wiser to throw it away before it is well worn," is suggested by an American as suitable for printing on tooth-brush envelopes.

Our American Letter.

(Special Correspondence to the "C. & D.")

Dr. Wm. C. Alpers, Dean of the Cleveland School of Pharmacy, was recently presented by the Northern Ohio Druggists' Association with a loving-cup in recognition of his services to pharmacy.

Mr. Thomas H. Norton, American Consul at Chemnitz, has started an investigation of the U.S. chemical-industry, with a view to seeing how synthetic dyestuffs may be produced in the country.

Dr. Walter F. Rittman, a chemist in the Bureau of Mines, has discovered and developed new processes relating to the production of gasoline, tolnol, benzol, and aniline dyes. It is said that he can treble the yield of gasoline.

Charles G. Merrell, son of the late George Merrell and grandson of William S. Merrell, who founded the business in 1828, has been elected president of the William S. Merrell Chemical Co., of Cincinnati.

Opium-smuggling.—When the steamer *Vedamore*, of the Johnston Line, arrived last month at Baltimore from Liverpool 295 tins of opium found on board were seized by the Customs officers. Some members of the ship's crew were arrested, and are to be tried, but the captain has been released on bail. The ship was fined $14,800 for having smuggled goods aboard.

N.C.R. and Sherman Law.—The Cincinnati Circuit Court of Appeal on March 13 reversed the verdict of the Lower Court against the National Cash Register Co., and remitted the case for a new trial, states the "Financial Times." The Upper Court expressed the view that the first count of the indictment charging the National Cash Register Co. with conspiracy to restrain trade was not proved, and that the second and third counts were defective, and should never have been permitted to enter into the trial of the case. The case is the result of an indictment, under the Sherman Anti-Trust law, by a Federal Grand Jury at Cincinnati three years ago of the President (John H. Patterson) and twenty-nine other officials or former officials and department heads of the National Cash Register Co. The defendants were charged with criminal violation of the Federal law in an alleged conspiracy to crush competition by a warfare on competitors. The trial, begun on November 19, 1913, lasted three months, and resulted in conviction and the sentencing of twenty-seven of the men, including President Patterson, to serve approximately a year's time in Ohio gaols. Notice of appeal was immediately given by attorneys for the convicted men. As soon as possible thereafter the records of the case, the most voluminous ever filed in the local courts, were placed in the hands of the Upper Courts. Arguments were submitted on October 6, 7, and 8, 1914, before Justice William Day, of the United States Supreme Court, and District Judges Sanford, of Tennessee, and Cochran, of Kentucky. The estimated cost of the case is fixed at half a million dollars, of which $400,000 is borne by the Cash Register Co.

Netherlands Notes.

(From the "C. & D." Correspondent.)

Plague and Cholera Prevention.—The measures designed to prevent the transmission of plague and Asiatic cholera, to which reference has been made in previous issues, have been further strengthened. The new regulations prohibit, unless special sanction is obtained, the dissection of corpses of persons or animals suspected of having died of plague, and the bacteriological examination, by means of animals, of persons suspected of suffering from plague or cholera.

Poison-sale.—There is free trade in poisons in Holland in cases where a minimum amount is sold of even the most virulent poisons. The idea of this is apparently to avoid interfering with the wholesale trade in poisons, and perhaps to deter suicide because of the expense involved in purchasing a large quantity of poison. The list of poisons with the minimum quantity that may be sold by unqualified persons is published, and additions are made to the list from time to time. Recently a list of additions has appeared which includes several new remedies, such as colloidal silver, novocaine, ethylmorphine hydrochloride, and tropococaine. The minimum quantity of novocaine that may be sold is 5 grams, which hardly seems sufficient to deter a suicide from his intention.

Notes from Switzerland.

(From a "C. & D." Correspondent.)

Although in the centre of Europe, with fighting so near and belligerents, or would-be belligerents, all around, we here in Switzerland are very tranquil, with only an occasional aeroplane or sundry shots on the frontier to break the monotony of our neutrality. At Dreiländerstein the limit of the three countries, and not far from Belfort, one can often hear the thunder of the guns.

Naturally, trade is dormant, as imports from Germany are "non est," and not much goods come from France, consequently some suffering is caused by loss of work, though there are many committees to combat the evil, as also to help the Belgians and the Red Cross work. Nevertheless, people still find time, in the intervals of reading the war news, to think of their many ailments—not so heroic, perhaps, as might be, but still evidently unwelcome—and thus the poor chemist manages to exist. Now is the time for him to philosophise, and thank his more or less lucky stars that pills and potions are more merchantable than diamonds and such baubles.

But still one must have the goods, and that is where the difficulty lies. Chemists who have ordered things from England, even before the war broke out, are still awaiting delivery. In most cases the goods get as far as Bordeaux, or even Genoa, after running the blockade of the United Kingdom (*sic*), and there they remain, as the quays are packed with merchandise and everything is in such a tangle and state of confusion, which increases daily, that there is little hope of getting straight again for some time to come; especially as it is firmly believed here that Italy will soon be entering the fray.

One of the chief causes of this lamentable state of affairs is the fact that the Italian railways are short of covered wagons. Where are those wagons? At present they are used for transporting troops in Germany, as the Germans, obliged by contract to return wagon for wagon passing the Italian frontier, simply returned uncovered ones, which, of course, are useless for perishable articles. Smart, if not honest!

On the other hand, the parcel-post from England is running very smoothly, and I have heard no complaints, while our letters arrive quite in good time. Naturally, many orders are now going to France and England which formerly went to Germany, as the frontiers of the latter country are closed.

The feeling in Geneva and French-speaking Switzerland has always been on the side of the Triple Entente, while the northern part, including Berne, Zurich, and Bâle, was very pro-German at the commencement of the war, but is now beginning to see the error of its ways. In fact, in a certain hospital there has been a strike of doctors as the German professor insisted on everyone inclining to his views, which were, of course, that the Vaterland can do no wrong—a theory that, to say the least, has been shown to be untenable.

Anyhow, the Swiss are Swiss first, and are quite ready to defend their country against any intruder, and rely more on their 50,000 rifles than on "chiffons de papier." One can easily judge the way the land lies by regarding the picture postcards shown in the shop-windows; in fact, the authorities have had to intervene in some cases to protect their neutrality, as some of the cards were extremely anti-German.

One of the prominent lady doctors of Geneva, who volunteered for service with the Servian Red Cross, has unfortunately died of cholera. This reminds me that in Servia they have given the Austrian remedy for cholera, kaolin, a good trial, with the best results, reducing the mortality to as low as 2 to 3 per cent. I suggest that it should be tried for enteric fever; a teaspoonful mixed with water three or four times a day.

The cheap pharmacy is still in the land, though the enemy is on either flank, and has opened another pharmacy with, one might say, the idea of a frontal attack in force. Meanwhile, the price-war continues, and if bread has gone up, salts have gone down, and the public reaps the benefit.

Salad Oil.—In "A Surgeon in Belgium," a recently published book by Mr. H. S. Souttar, F.R.C.S., the author gives his experiences in various hospitals in Belgium before the German occupation. One minor experience at Furnes he relates is as follows:

For several days the huge store-bottle of castor oil was lost. It was ultimately discovered in the kitchen, where, as the label was in English, it had done duty for days as salad oil.

Legal Reports.

Trade Law.

Camphorated Oil.—At West London Police Court on March 11, before Mr. De Grey, Henry H. Busby, chemist and druggist, King's Road, Fulham, was fined 10*s.*, and 12*s.* 6*d.* costs, for selling camphorated oil which was 20 per cent. by weight deficient in camphor. Defendant explained that too much heat had been used in making the oil, with the result that the cork was driven out of the bottle and the camphor escaped.

"Cash against Documents."—In the King's Bench Commercial Court on March 12, Mr. Justice Sankey delivered his reserved judgment in the action brought by Mr. W. M. Happe, trading as W. Happe & Co., merchants, Fenchurch Street, E.C., against Mr. E. S. Manasseh, Billiter Square Buildings, E.C. (*C. & D.*, March 13, p. 84). His Lordship awarded the plaintiff 100*l.* 18*s.*, damages for breach of contract by Mr. Manasseh to deliver five chests of Patna opium at 117*l.* per chest net, shipment from Calcutta, during July 1914, payment cash against documents on arrival of steamer. A question of the moratorium was discussed in the case, but Mr. Justice Sankey held that it did not apply. Judgment was accordingly entered in favour of the plaintiff for the amount stated, with costs.

A Vinegar Action.—Mr. Justice Coleridge and a special jury, at the West Riding Assizes, Leeds, this week, have been considering evidence in an action for damages for libel brought by Mr. T. C. Marshall, trading as the Sheffield Vinegar Brewery Co., against the Cambrian Vinegar Brewery Co., Ltd., Leeds. The action was a sequel to a prosecution at Grimsby in September 1913, in which a retail grocer was convicted of selling as malt vinegar a vinegar supplied by plaintiff's company, and a report of the hearing was put into pamphlet form by defendants, who added the comment: "Shopkeepers may protect themselves from all risks of prosecution by ordering Cambrian vinegar, which is warranted brewed from best malt and grain by vinous and acetous fermentations." The jury found that the words published were true, but were published with malice, and awarded the plaintiff one farthing damages. His Lordship gave judgment accordingly, without costs.

Justifiable Dismissal.—At the Edmonton County Court on March 12, Frederick Everingham, Stroud Green Road, sued Page & Co., druggists, Hertford Road, Lower Edmonton, for 5*l.* 10*s.*, two weeks' wages—one in lieu of notice. The plaintiff said he was discharged without notice after being in the defendants' service for five months. There was no complaint against him. Mr. A. Kershaw, for the defence, said that the plaintiff was discharged for coming to the shop under the influence of drink. He had twice previously been cautioned. Mr. Page gave evidence that on Saturday, January 23, the plaintiff came to the shop drunk, and as he started to hang his coat up witness told him he could not let him start like that. The plaintiff put his coat on, and witness told him to go home, have a sleep, and return at three. When the plaintiff came back at that hour he was no better. Judge Wheeler, after hearing other evidence corroborating Mr. Page's statements, found for the defendants, remarking that he could not imagine anything more awful than an intoxicated dispenser.

Country Trader Sued in London.—In the City of London Court on March 10, before Judge Rentoul, K.C., Barclay & Sons, Ltd., 95 Farringdon Street, E.C., sued W. A. Shepherd, Universal Supply Stores, Billingshurst, for 13*l.* 16*s.* 1*d.* for goods supplied. The Judge said the defendant had written to him complaining about the plaintiffs' dilatoriness, which seemed a foolish remark. Defendant went on to say that he could not come to London because he was short-handed. He asked for an adjournment for a month as plaintiffs had charged him carriage on two amounts. Then they returned his cheque, suggesting that the payment was short. He added that trade was bad. Plaintiffs' solicitor said that the defendant sent a cheque for 8*l.*, and made deductions, so that plaintiffs returned it. Judge Rentoul asked why plaintiffs did not accept it on account. Plaintiffs' solicitor explained that the defendant sent it in settlement. The case had already been before the Court, and it was not fair to prolong the time for payment. When the case was before the Registrar defendant opposed payment of 4*s.* 1*d.* Judge Rentoul remarked that the defendant ought to have been sued in the county court of his own district, and not in London. Plaintiffs' Solicitor: But the cause of action arose in this city. Judge Rentoul knew that, but defendant ought to have had a chance to be heard, and the case should have been brought in his own court. Defendant was objecting to pay 4*s.* 1*d.* for carriage forward, suggesting that he was not to pay the carriage. Plaintiffs' solicitor said that the 4*s.* 1*d.* was not for carriage, but for goods as shown on the invoice. Judgment was given for the plaintiffs, with costs.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Reliable Varnish Co., Ltd. (P.C.).—Capital 1,000*l.* in 1*l.* shares. The first directors are A. A. Ball and S. H. Peek. R.O., 2 and 3 Eldon Street, E.C.

Lancashire Aniline Colour Co., Ltd. (P.C.).—Capital 10,000*l.* The subscribers are J. Gibson, Hulme, chemical-manufacturer; R. Hilditch, Manchester, solicitor; J. E. Hilditch, Didsbury, gentleman: The subscribers are to appoint the first directors.

Fabrique Suisse d'Objets en Celluloid S.A.—Particulars of the Swiss Celluloid Co., Ltd., which is registered outside the U.K., were filed on March 8. Capital 500,000f., in shares of 500f. each. British address: 58E Hatton Garden, E.C., where A. Laubbacher is authorised to accept service.

British Pharmacy Oils, Ltd. (P.C.).—Capital 2,300*l.*, in 2,400 preferred ordinary shares of 1*l.* each and 2,000 deferred shares of 1*s.* each. Objects: To carry on the business of refiners, distillers, rectifiers, and manufacturers of and dealers in mineral, vegetable, and other oils, or products thereof, and to carry on the business of chemists, druggists, drysalters, oil and colour men, brewers' chemists, spice-merchants, soap and cosmetic manufacturers, drug-grinders, oil-pressers, wine and spirit merchants, etc. R.O., 39 Lombard Street, London, E.C.

Company News.

Foods, Ltd.—Mr. V. L. Newton, 61 Brown Street, Manchester, was appointed receiver on March 3, under powers contained in debentures dated May 25, 1906.

A. & F. Pears, Ltd.—The directors have declared an interim dividend for the six months to December 31 on the preferred ordinary shares at the rate of 12 per cent. per annum, less income-tax.

Wright, Layman & Umney, Ltd.—The report of the directors for the year ended December 31, 1914, which has been issued this week, reports a satisfactory year's trading, the net profits being in excess of any previous year. The trading profit, after providing for bad and doubtful debts and depreciation of plant and machinery, was 18,763*l.* 11*s.* 9*d.*, and with the amount brought forward from last year 582*l.* 10*s.* 5*d.*, leaves 19,346*l.* 2*s.* 2*d.* to the credit of the profit-and-loss account. After payment of dividend on the 6 per cent. preference shares, interim dividends of 5 per cent. on the ordinary shares, directors' fees, and income-tax, the sum of 7,135*l.* 11*s.* 6*d.* remains for distribution. From this amount the directors recommend a further dividend of 10 per cent. on the ordinary shares, less income-tax, making 15 per cent. for the year, placing 2,000*l.* to the reserve fund, and leaving 1,015*l.* 5*s.* 3*d.* to be carried forward. Mr. E. B. Layman, who retires by rotation from the directorate, offers himself for re-election. The annual meeting is to be held on March 26.

Evans Sons Lescher & Webb, Ltd.—The report of the directors to be submitted at the thirteenth annual meeting to be held at 56 Hanover Street, Liverpool, on March 19, states that all trade expenses have been written off, and ample provision made for bad and doubtful debts, depreciation, etc.; interest on the debenture stock, dividend on preference shares, an interim dividend on ordinary shares in July 1914, and fees and salaries to senior and junior directors respectively, have been provided for, and there remains a balance for further dividend on the ordinary shares of 15,564*l.* 11*s.* 10*d.* The directors recommend that for the second half-year a dividend of 10 per cent. per annum be paid on the ordinary shares, making 7 per cent. for the year; also a bonus of 2½ per cent. for the twelve months. This, with the interim dividend of 5 per cent. declared for the first half-year, leaves, after placing 5,000*l.* to reserve, 4,314*l.* 11*s.* 10*d.* to be carried forward. The directors are pleased to be able to report a successful year's trading, notwithstanding the outbreak of war. The sales of the well-established proprietaries of the company have been well maintained; the company has created a demand for Lysol (Evans') and for other proprietary articles hitherto

controlled by Germany, and contemplates the manufacture of many other articles which have been obtained from that country. The company's bacteriological-research laboratories at Runcorn are working satisfactorily, with increased trade in the various products. The retiring directors, Mr. T. E. Lescher, Mr. S. F. Webb, and Mr. K. W. E. Evans, offer themselves for re-election. The auditors (Chalmers, Wade & Co.) also offer themselves for re-election.

Bankruptcy Report.

Re Charles Willmer, East Ham, Stratford, Plaistow, Leytonstone, and elsewhere, Drug-stores Proprietor.—An application for an order of discharge was made to Mr. Registrar Linklater at the London Bankruptcy Court on March 16 on behalf of this bankrupt, described in the receiving order as of 387 Katherine Road and 8 Marlow Terrace, High Street South, East Ham; 51 Vicarage Lane, Stratford; and 47 Stratford Road, Plaistow. Mr Egerton S. Grey, Official Receiver, reported that the bankrupt failed in July last, with liabilities 732*l.* 1*s.* 3*d.*, and assets valued at 14*l.*, which realised only 3*l.* 15*s.* Prior to 1908 he acted as insurance agent and superintendent. In that year, without possessing any qualification as a chemist, he commenced business on his own account as a drug-stores proprietor, at 633 High Road, Leytonstone, under the style of "Willmer's Drug-stores," with 100*l.*, borrowed from, and still due to, his wife. In 1912 he sold that business for 200*l.* "all at," and, having conceived the idea of taking other premises with a view to establishing drug-stores, working them up, and selling them at a profit, he rented nine or ten different shops. His capital at that time, without taking into consideration the debt to his wife, was between 30*l.* and 40*l.* Managers were engaged to conduct the various shops, and partly owing to the fact that they were not always honest, the businesses were a complete failure. It further appeared that the bankrupt had established a business at 46 Upton Lane, Forest Gate, which he sold to a Mr. Daniels for 275*l.* Shortly afterwards Mr. Daniels sued the bankrupt for return of the money and delivery up of the lease, and for damages for false and fraudulent misrepresentation. The action was pending at the date of the receiving order, and had not come on for trial, and, being served with a writ at the instance of another creditor for money lent, the bankrupt filed his petition. He attributed his failure and insolvency to ill-health, bad trade, and loss on taking up so many businesses, which, he admitted, was a speculative course of dealing. As offences the Official Receiver reported (1) insufficiency of assets to equal 10*s.* in the pound on the amount of the unsecured liabilities; (2) imperfect bookkeeping; (3) trading with knowledge of insolvency; and (4) contributing to the bankruptcy by rash and hazardous speculation. His Honour upheld the report, and imposed a suspension of two years.

Birth.

Authenticated notices are inserted without charge.

Bellamy.—At Meersbrook, Sheffield, on March 8, the wife of H. S. Bellamy, chemist and druggist, manager for Boots, Cash Chemists, Ltd., Spital Hill branch, of a son.

Deaths.

Authenticated notices are inserted without charge.

Davies.—At March, Cambridgeshire, on March 12, Hannah, wife of Mr. P. H. Davies, Ph.C., aged sixty-six. Mrs. Davies was the youngest daughter of the late John Sturton, Ph.C., of Dogsthorpe Grange, Peterborough.

Drury.—At Market Place, Southwell, Notts, on March 4, Mr. George Drury, chemist and druggist, aged seventy-nine.

Jenkin.—On February 14, Carrie, the wife of Mr. J. S. Jenkin, chemist and druggist, Post Office, 352 High Road, Wood Green, London, N.

Jobson.—At 14 Castle Road, Southsea, on March 7, Mr. Thomas C. W Jobson, chemist and druggist, aged eighty-seven.

Jones.—At Colwyn Bay, on March 10, Gareth Llewelyn Jones, only son of Mr. D. Llewelyn Jones, chemist and druggist, aged seven.

Merrick.—Suddenly, at 9 Aberdeen Place, Edgware Road, London, N.W., on March 6, Mr. Charles James Merrick, chemist and druggist.

Palmer.—At Inglenook, Bersham Road, Wrexham, on March 7, Mr. Alfred Neobard Palmer, Ph.C., aged sixty-seven. Mr. Palmer served his apprenticeship at Bury St. Edmunds, and was Junior Bell scholar in 1867. After passing the Major examination in 1868, he became an assistant in the laboratory of the Pharmaceutical Society under Professor Attfield. He subsequently removed to Manchester, where he took a deep interest in social and literary work. In 1880 he went to Wrexham as chemist to the Zoedone Co., eventually taking up a similar position with J. Meredith & Sons, Cambrian Leather-works, Wrexham. Bad health, however, caused him to retire from this position some years ago. Mr. Palmer had attained distinction as an historical writer, and his services in this connection were recognised about ten years ago by a grant of a Civil List pension of 50*l.*, recently increased by 25*l.*, jointly with Mrs. Palmer, who rendered her husband invaluable aid in his literary labours.

Preston.—At Claybrook Magna, Lutterworth, on February 17, Mr. Alfred Prince Preston, chemist and druggist, aged sixty-nine. Mr. Preston was formerly in business at Hawkhurst, Kent.

Raynes.—In Northern France, recently, Second-Lieutenant Albert B. Raynes, Royal Berks Regiment, aged twenty. Second-Lieutenant Raynes was a member of the laboratory staff of Boots, Cash Chemists, Ltd., Nottingham. He joined the Royal Sussex Regiment soon after the outbreak of war, and later was transferred to the Royal Berks Regiment. He went to the Front on November 5.

Richards.—At High Street, Hastings, on March 8, Mr. James Griffiths Richards, chemist and druggist, aged seventy. Mr. Richards qualified in 1871, and was one of the oldest traders in the town.

Salamon.—At 15 Chesterfield Street, Mayfair, London, W., on March 14, after a very short illness, Maie, the wife of Mr. Alfred Gordon Salamon, F.I.C., F.C.S.

Tree.—At 56 King's Road, St. Leonards-on-Sea, on March 8, Mr. Frederick Tree, Ph.C., aged forty-eight. Mr. Tree qualified in 1887, and also passed the optical examinations of the Spectacle-makers' Company. He had been in business in the town for about twenty-five years. He was President of the Hastings Pharmacists' Association and Chairman of the Pharmaceutical Committee. He leaves a widow and two sons. The funeral took place on March 12, and was attended by several of the local chemists. Mr. Tree had been an active member of the London Road Congregational Church, and a former pastor, the Rev. Thomas Towers, gave an address at the funeral service.

Venables.- At 1 Victoria Road, Gorleston, on March 8, Mr. Samuel Henry Venables, chemist and druggist, aged fifty-seven. His hobby was the rearing of prize pigeons. He leaves a widow and daughter. The funeral took place on March 13.

Killed in Action.

Haller.—Killed in action, on March 13, Lieutenant J. H. Lyle Haller, East Surrey Regiment, elder son of Mr. George Haller, of George Haller & Co., 52 Leadenhall Street, London, E.C., aged twenty.

Gazette.

Partnerships Dissolved.

Featherstone, J., and Davie, G. H. G., Beechfield, Wilmslow Road, Fallowfield, and 2 Mauldeth Road, Withington, Manchester, medical practitioners.

Hudson, H. L., and Messenger, G. B., 83 and 85 Infirmary Road, Sheffield, under the style of Hudson & Messenger, surgeons.

Thackeray, H., and Carless, R., Stafford, veterinary surgeons, under the style of Carless & Thackeray.

Private Arrangement.—At a meeting of the creditors of Thomas Lloyd Morgan, chemist, etc., Medical Hall, Llandovery, South Wales, a statement of affairs was submitted showing liabilities 323*l.* 3*s.* 8*d.* and net assets 171*l.* 19*s.* In the absence of any offer, it was resolved that the debtor should be requested to execute a deed of assignment to Mr. Arthur Collins for the benefit of the creditors generally. The creditors also consented to return 50 per cent. of their dividend for the benefit of Mr. Morgan, who would otherwise be destitute. The creditors include: Avrton, Saunders & Co., Ltd. (10*l.*); Wm. Cooper & Nephew (18*l.*); National Drug Co., Bristol (13*l.*); Quibell Bros., Ltd. (11*l.*); Jas. Woolley, Sons & Co., Ltd. (24*l.*).

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on March 9, Mr. D. M. Watson (President) in the chair. The following members of the Council were also present: Messrs. G. D. Beggs (Hon. Treasurer), J. E. Connor, J.P., John Smith, W. F. Wells, J. H. Bowden, and Richard Blair.

Resignation of a Member.

The Registrar (Mr. A. T. Ferrall) read the following letter addressed to him by Mr. John Burnett, a member of the Council:

42 Lower George's Street,
Kingstown, March 12, 1915.

Dear Sir,—As I desire to resign my seat as a member of Council of the Pharmaceutical Society, will you kindly submit my resignation to the Council at its next meeting? I would also take this opportunity of expressing to the members of Council and yourself my thanks for the courtesy and friendly consideration extended to me on all occasions.—I am, yours faithfully, John Burnett.

The President said Mr. Burnett had informed him that there was no use in asking him to reconsider his resignation.

Mr. Beggs said it came on him by surprise, when he got his agenda, to see that Mr. Burnett had sent in his resignation. Mr. Burnett had been a constant attendant at the Council-meetings and a very useful member. He proposed that Mr. Burnett's resignation be accepted with regret.

Mr. Wells seconded. He agreed that Mr. Burnett had been a useful member of the Council. He had attended Committee-meetings and meetings of the Council regularly, and it was a pity that they should lose his services.

The resolution was passed.

Recognition in Malta.

The Registrar read the following communication:

Downing Street, February 20, 1915.

Sir,—With reference to the letter from this Department of December 16, 1914, I am directed by Mr. Secretary Harcourt to transmit to you, for your information, the accompanying copy of a despatch, with its enclosure, from the Governor of Malta, regarding the recognition in the island of pharmaceutical chemists of Ireland.—I am, Sir, your obedient servant, H. J. Read,
For the Under-Secretary of State.

The despatch referred to was as follows:

The Palace, Valetta, February 2, 1915.

Sir,—I have the honour to acknowledge the receipt of your despatch No. 157, of December 18, 1914, forwarding copy of an extract from a letter from the Registrar of the Pharmaceutical Society of Ireland regarding the recognition in Malta of pharmaceutical chemists of Ireland. I am advised that the term "apothecary," as used in the Malta Ordinance, is applicable generally to all persons who hold a warrant to practise pharmacy, and does not imply any distinction between apothecaries and pharmaceutical chemists; and that pharmaceutical chemists of Ireland are entitled to the local licence under the conditions laid down in Article 15 of Ordinance No. XVII. of 1901, of which I enclose a copy for facility of reference.—I have, etc.,
(Sgd.) Leslie Rundle, Governor.

Article 15 of the Ordinance referred to is as follows:

The licence of apothecary shall be granted if the candidate shall produce a certificate from the Medical Board showing that the Board is satisfied that the candidate is a British subject, is of full age, and has obtained a diploma from the University of Malta, or from other recognised University, or has been admitted to practise the profession of apothecary under the provisions of an Act of the Imperial Parliament. The provision of the last paragraph but one of Article 5 shall apply in the case of a candidate who may have obtained a warrant to practise his profession in a foreign University.

Report from Solicitors.

The Registrar submitted a communication from Messrs. A. & J. Robinson, solicitors, reporting that Mr. Thomas Coulter, R.D., Dublin, had been fined 5*l.* for keeping open shop for compounding, 5*s.* for breach of Section 17 of the Amendment Act, and 5*s.* for breach of the Sale of Poisons Act, with 2*l.* 2*s.* costs. They enclosed a letter from Mr. Coulter undertaking to comply with the law in future.

Preliminary Registration.

Messrs. M. V. Howe, P. J. Killachey, B. Mahony, J. W. Shiel, and W. T. Turner submitted certificates of other bodies, and were admitted to Preliminary registration.

Changes of Address.

Communications were received from the following, notifying changes of address: Mr. J. B. Alister, Ph.C., to 22 Main Street, Tipperary; and Mr. E. Mackessy, Ph.C., from Bray to Baltinglass, co. Wicklow.

Certificate of Death.

The Registrar submitted a certificate of the death of Mr. Samuel Waldron Curham, Ph.C., 46 South Richmond Street, Dublin.

Thanks for Donations.

A resolution of thanks was passed for donations from the Queen's University, Belfast, of Calendar 1914-15, and from the Intermediate Board for Ireland of copy of the examination-papers for 1914.

Members Elected.

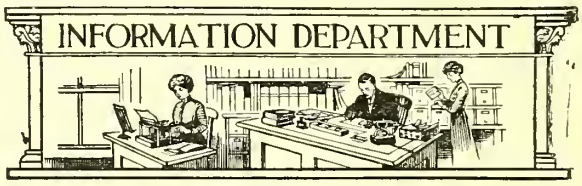
The following were elected to membership: Mr. Bernard Hirson, Ph.C., 70 Rathmines Road, co. Dublin; and Mr. Samuel Hooey, Ph.C., Volksrust, Transvaal.

Reports from Committees.

Reports were received from the Law Committee and from the House Committee, and were adopted.

The New B.P.

In reply to an application received from a student, the Council directed that he should be informed that the new B.P. will be used at the July examination.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

38/56. "Crepon" stocking: supply.
38/560. "Linseed-leaves": makers.
38/562. Vacuum flasks; Swedish makers.
38/59. "Drineonia" rose soap.
38/590. "Garmia" (or "Garna") tablets.
38/63. "Trialene," a solvent: supply.
38/64. Symond's aromatic bismuth lozenges.
33/33. "Sapodilla," as used in the trenches.
39/72. B.C. Pharmacal Co.'s capsules.
38/72 "Nutlactol": supply.
40/9. "Borac Beauty Soap."
41/15. "Fillet" for stopping teeth.
41/20. "Savon Dentaire" (for cleaning dental-plates).
41/32. Harford's (or Hanford's) Golden embrocation.
34/32. Balzama ointment: makers.

See also "War Wants Exchange" in the Coloured Supplement.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C.:

Adeps lanæ anhydros, 30/22
Aluminium measures, 30/43
"Anti-Calcaire," 31/5
Automatic filling machines (for powders), 33/8
Caustic potash, 28/55

Observations and Reflections.

By Xrayser II.

Dr. Salter's Criticism of the Drug Tariff

must be taken with a good deal more than the proverbial grain of salt. His figures, if not absolutely impossible, are quite incredible as they stand. Even in Bermondsey it must be difficult to find a batch of 1,000 consecutive prescriptions the average cost of which, in drugs, is only a penny-farthing, which is what Dr. Salter's calculation virtually comes to. That such prescriptions, costing in the aggregate 5*l.* 5*s.*, could by any accepted Tariff bear a profit of over 8*l.*, and in addition to that a fee of more than 2½*d.* each—11*l.* in all—I cannot believe. And the illustration by which Dr. Salter seeks to support his contention does just the contrary. It is simply impossible that the eighty prescriptions which were charged 6*s.* 9*d.* to dependants of soldiers and sailors were "similar" (in the sense intended) to those charged 1*s.* 2½*d.* each at Tariff rates. I am afraid the doctor's friend has been pulling his leg. Is he, I wonder, the practitioner who is responsible for those thousand five-farthing scripts? Into the question of the medicinal value of these prescriptions Dr. Salter does not enter, nor will I, further than to say that if he puts them forward as representative he runs some risk of bringing prescribing into contempt.

The United Chemists' Association, Limited,

propose to print for public distribution by their members a letter on the failure of Medical Benefit, and the reason of it, which appears in the March number of their trade circular. I sincerely hope they will reconsider this, for the letter is a mistake from beginning to end. Not only does it greatly overstate some of the facts of the case, but the argument tends to destroy popular belief in the Act. The writer sums up by saying that "Medical Benefits chiefly 'benefit' the standing officials and the doctors," the insured person frequently receiving little consideration and the panel chemist none at all; which the public will interpret as meaning that they, along with us, are being exploited in the interest of doctors and officials. This is to distract attention from our own grievances to theirs, and they are much more likely to regard us as simply dissatisfied sharers in the plunder than as fellow-victims with themselves. The intention of the letter may be commended; there is something to be said for an attempt to secure popular support in a campaign for the redress of our grievances, but this is not the way to set about it. A more temperate statement of the facts, accompanied by a reasonable proposal for remedying them, might be of service by giving force to the Parliamentary action in which alone our salvation lies.

Duty-free Tinctures

for hospitals are not likely to come yet awhile, but this is no reason why the hospitals should not make a determined effort to secure the concession. All the same, if the concession is ever made it will not stop at tinctures for hospitals, for the Insurance Commissioners may be trusted to look after the interests of panel patients and panel chemists. Indeed, it strikes me that by allowing the use of duty-free spirit in the manufacture of tinctures a step would be taken that would solve a good many Insurance discounting difficulties. Incidentally it would also endow the doctors with another grant of State money, and possibly some narrow-minded people would object to increase salaries that already run well into four figures from Insurance fees alone. Whether the Chancellor of the Exchequer would be willing to agree to such endowment is doubtful, and he would soon find other excuses for not making the experiment even if the Customs and Excise authorities could arrive at some method of discriminating between spirit used for tinctures and that employed in spirituous beverages.

Post hoc ergo propter hoc

is an aphorism which the up-to-date medical man is always ready to ridicule to his heart's content. Nevertheless, when it suits their purpose medical men are not above making use of the argument such as it is, and it appears to me that Dr. W. Allan Jamieson has adopted it in his letter quoted by you from the "British Medical Journal." I gather from Dr. Jamieson's remarks that liquid paraffin acts in a similar way to castor oil or croton oil—namely, by irritating the lining of the intestines and increasing peristalsis. What this has to do with cancer of the skin, to which paraffin-workers are liable, I fail to understand. It would be just as sensible to argue that since the use of castor oil and croton oil as laxatives has enormously decreased in recent times while cancer has increased very greatly, therefore the reduction in the use of the oils has produced the cancer. But Dr. Jamieson claims that the excessive use of liquid paraffin may possibly cause cancer, so we reach the curious position that, while castor oil and paraffin act similarly on the intestines, the absence of the one produces cancer, and that cancer is also produced by the presence of the other. The reasoning is somewhat halting, but not more so than Dr. Jamieson's.

Dr. David Hooper,

in his interesting lecture on weeping trees at the evening meeting of the Society on March 9, used an expression which is not often met with now in its original sense, although it is familiar in the drug and gum warehouses of the Port of London Authority. Dr. Hooper said that Bengal kino is a very inferior product, and "cannot be garbled." The word takes us back to the very beginnings of our commercial history. It is traceable ultimately to an Arabic name for a sieve, and first appears in Europe as a term of Mediterranean commerce, meaning to sift or select. In English it dates from the fifteenth century, in such phrases as "the garbelling of spices." Most of the trading companies had their own official garblers; the "Garbler of Spices" (says Bailey) is "an office of great antiquity in the City of London, who might enter any shop, warehouse, &c., to view drugs, spices, &c., and garble them." The refuse of such things became known as "garble" (whence, says Skeat, probably the word "garbage"), and the verb "to garble" itself was sometimes used with an inverted meaning; an old sailor's word-book glosses "garbling" as "the mixing of rubbish with a cargo stowed in bulk." An edifying moral essay might be written on this theme.

Trade-marks,

how to choose, get, and use them, is the subject of one of the most practical of the series of business articles now appearing in the "Daily News," and it is particularly worthy of attention in the light of several recent actions at law. The writer, Mr. Wann, sums up his advice in a series of "Don'ts," those on which he lays most stress being: Don't choose an ineuphonious or a descriptive title, or a geographical name, or a surname; don't use your own name before a trade-mark; don't fail to register, or to advertise without stint. Mr. Wann qualifies his condemnation of descriptive titles by adding that there should be "no direct reference" to the character or quality of the article, and some of the names he cites as models (which are among the happiest that could be chosen) most certainly do suggest the character of the article. A good invented name is the best of all, and it is, in my humble opinion, the better for having this suggestive character. Success in such invention demands qualities almost as rare as those required for any other invention; it is a kind of creation akin to that of the poet, "naming, like Adam, by divine inspiration, the creatures"; to say the least, a very fine literary sense is requisite to the coining of a name that shall really pass into the currency of popular speech. Take an illustration from literature: such names as "Lord Verisopht" or "Lord Mutanhed" are the first bungling attempts of a tyro; even "Mr. Jingle" is rather a crude attempt; but "Sairey Gamp," "Mr. Pecksniff," "Mr. Podsnap," "Mr. Wilkins Micawber," are masterstrokes—names so inexplicably happy as at once to express and distinguish, without labelling, the persons who bear them.

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Editorial Articles.

Insurance Act Dispensing.

A Retrospect.

"I have not the faintest doubt as to the result of this scheme, that the chemists will enormously benefit. I am also of the same opinion about the doctors."—*Mr. Lloyd George* (June 1, 1911).

As a supplement to our report of Dr. Alfred Salter's remarks regarding the chemists' profits from Insurance Act dispensing (*C. & D.*, March 13, p. 101), we reprint on p. 57 of this issue an article from the "Medical World," which is the organ of the Panel Medico-Political Union. While we do not consider it advisable to take such extreme statements as these too seriously, we feel that they are attempts to shift the responsibility for discounting of chemists' Insurance-dispensing accounts from panel doctors to chemists and their representatives, and so far as this is the case they are calculated to mislead the Departmental Committee on the Drug Tariff. They certainly justify most careful consideration of the whole matter by Insurance and other dispensing chemists who have regarded the dispensing arrangements under the Insurance Act as a step in pharmaceutical progress, for besides being calculated to mislead the Departmental Committee it is possible that the Union's extravagant assertions are calculated also to exasperate Insurance dispensing chemists to such a degree as to give up dispensing under the Act, which is the very thing that the panel irreconcilables want. We venture to recall the position when a deputation representing the Pharmaceutical Societies of Great Britain and Ireland was received by Mr. Lloyd George on June 1, 1911. The National Insurance Bill was then in the House of Commons, and the prospects of it becoming law were not rosy. When Mr. Lloyd George introduced it on May 4 he said, "The first thing that ought to be done is to separate the drugs from the doctors . . . the doctors' business being confined to prescribing. It is for the chemist to dispense." Immediately there was a strong protest from medical practitioners in England and Wales, where it had been the well-established custom for medical

practitioners to supply their patients with medicine, charging them for it either in the fee or in addition to the fee, the latter being the custom in those places where medical men continue practices established by apothecaries. The pharmaceutical deputation of June 1 said little about this principle as enunciated by Mr. Lloyd George; they knew in advance that it was unlikely that he would go back upon it. Therefore, their attention was confined to the systems of dispensing which at that time seemed probable. In the first place it was expected that administration of Medical Benefit would be entrusted to Friendly Societies, and it was natural to deduce that they would set up dispensaries of their own. Mr. Glyn-Jones, as the spokesman of the deputation, pointed out that—

(1) Whoever does the dispensing, it must be done under the strict supervision of a qualified chemist;
(2) No agreement as to the dispensing should be made, except with persons registered under or companies recognised by the Pharmacy Acts;
(3) Control of the medical and pharmaceutical matters should be in the hands of the local Health Committees [Insurance Committees of the Act]; and
(4) A payment scale by schedule, and not *per capita*.

Our readers will keep in mind that the Bill did not provide for any of these things, and that at the time they were submitted Mr. Lloyd George had before him eighteen months of unremitting opposition to them by the medical profession, not to mention other anti-pharmaceutical interests. From Mr. Lloyd George's reply we select the quotation which heads this article. He made no very definite promise, but all Mr. Glyn-Jones's suggestions were ultimately adopted either in the Act or the regulations made under it. The medical opposition to dispensing by chemists was one of the six cardinal principles of the British Medical Association which were fought right up to the eve of Medical Benefit coming into force (January 15, 1913). Originally 6*s*. 6*d*. per insured person was provided for Medical Benefit, but the Chancellor of the Exchequer in his endeavour to placate the doctors increased this to 8*s*. 6*d*., of which 2*s*. was to be set aside for payment of drugs and appliances. The doctors wanted the whole of this, and made a definite offer to this effect, the present Medical Secretary of the Association afterwards stating in public that the resolution was passed to placate a section of medical men who wished to retain dispensing. The "Journal" of the Association also stated (March 3, 1912):

"The profession has no desire to interfere with any established right of pharmacists, but it will strongly resent any attempt by pharmacists to usurp what is the undoubted right of medical men to dispense their own medicines, when they think proper, for their own patients."

As late as December 21, 1912, the Association stuck to this idea, although the Chancellor had met the doctors in part of the "principle" by giving them dispensing in rural areas, whereby they got the full 8*s*. 6*d*. per insured person. It will thus be seen that up to the end of 1912 separation of the drugs from the doctors was not a sure thing. Even as matters stand the separation is not complete, and the ultimate capitulation of medical men left a section, now represented by the Panel Medico-Political Union, whom dispensing chemists have to reckon with as bitter opponents—opponents in business, we mean, for their object is to get all the Drug Fund money for the doctors, thus restoring the very evil which it was Mr. Lloyd George's purpose to avoid. We hope to return to the subject and to show how chemists have helped to make Medical Benefit a success.

The War and Tariffs.

The latest publication issued by the Tariff Commission deals with the new industrial and economic problems which have been raised by the war. The object of the memorandum is to bring together the main facts of the new financial and industrial conditions created by the war and to show their bearing upon British commerce. The review concludes that the problems arising out of the war give no ground for anxiety if they are approached without regard to preconceived theories, and if it is remembered how much the Empire as a whole can contribute to their solution. In its investigation the Commission has had the assistance of a very large number of representatives of the manufacturing, mercantile, and banking interests of the country. A part of the review is devoted to the aniline-dye problem, much of it covering ground already dealt with in the *C. & D.*, but the Commission, like others, from the President of the Board of Trade downwards, in giving statistics regarding the production and consumption of dyes, ignores the figures for British manufacturing brought out by the 1907 census of production. Selected views and opinions on the subject by British traders are summarised. Writing soon after the outbreak of war, one manufacturer said:

"We have doubled our production, and are still increasing, but fear this new machinery may have to be scrapped after the war. . . . Alcohol is a secondary consideration; we can get any amount of pure alcohol under certain restrictions at a reasonable price."

The writer added, "There are no German trade-secrets regarding the production of aniline dyes, and the only difficulties in the way are the patents held by the German firms." Had the Patents Act of 1907 been strictly carried out these German patents would have been worked in this country and the dye-industry more firmly established here, but the section relating to compulsory working has become practically a dead-letter. This remark is discounted by the fact that the German factory on the Mersey is there because German manufacturers could not get round the Act altogether, but there is a suspicion abroad that the Board of Trade has not made as much of it as it might have done. Any mistake in this regard should be made good. A prominent dyestuff expert, referring to the possibility of Switzerland doubling her former contribution to our supplies, mentions that owing to the lack of certain raw materials and intermediate products of German origin, Swiss firms are "barely able to supply one-tenth of the amount sent prior to the war," though they are "holding out hopes to their customers here of being able to resume supplies at the pre-war rate by March or April." In regard to the effect of the war on chemicals and drugs, one firm states that there is little doubt that many of the fine chemicals hitherto largely made by Germany could be manufactured here if the Government would give some assistance to manufacturers. Another firm, engaged chiefly in making chemicals used in medicine, states that the manufacture in which Germany has hitherto had a monopoly would necessitate the laying down of new plant and the adoption of new processes, but there is little inducement to take up the manufacture without any "guarantee of permanence." An analytical chemist expresses the opinion that "all the synthetic products could be made in England, and should be able to compete favourably with German products." But he goes on to say that he knows of no British works at present capable of undertaking the production of synthetic chemicals on

a large scale. "In Germany there are only a few such concerns, but they have enormous capital, trained and skilled labour, and a sympathetic Government. It is not a question of a works already in existence adding on the manufacture of synthetic drugs and perfumes, but of establishing works for the sole purpose of making them."

This is a paraphrase of what Mr. C. A. Hill told the Pharmaceutical Society some months ago; in fact, the report does not take us a bit further in regard to what we know about chemical industry before the war and since, and as to after the war it repeats the very common warning in regard to all trades that then German manufacturers and merchants will be coming here to do business as usual. We are not so sure about that. It would be absurd to suppose that we Britishers should do in trade everything that Germans do, because they happen to have been trying to do everything that we do. We know that this is economically bad; also that when this war is over there are a few things which German manufacturers and merchants will have to pay for that will have a tendency to approximate their costs to our own. Besides, Germany has been teaching us, and the world at large, for seven months, how to get along without her. We are learning, and the longer it takes the Allies to beat the Germans in the field, the surer the lesson of economic independence of her will be learnt.

British Dominions' Business.

"It is amazing how little the war has affected the ordinary aspect of business and life in these States," wrote an Australian correspondent to us by the last mail. He is a man in touch with every part of the Commonwealth and New Zealand. His letter reflects that "Business as usual" is the motto there as well as at home. A City of London merchant who has large dealings with other overseas parts of the Empire told us one day this week that during the first two months of the war his customers in these parts were shy about ordinary chemicals, but now they are cabling for them. Confidence is restored, the Commonwealth, Dominions, and British Colonies are in the markets as buyers, and they will buy more now from the Mother Country. We are therefore arranging for a Colonial issue of The Chemist and Druggist next month to put manufacturers and merchants specially in touch with these buyers, and the Publisher will furnish any inquirer with particulars.

War Wants Exchange.

Our readers have been quick to appreciate the advantages of this new *C. & D.* Supplement feature, if we may judge by the number of postcard replies which have come in during the week. Several points have arisen, from which it appears that some correspondents do not thoroughly understand the situation. First of all, we would emphasise the fact that this section of the Supplement is intended solely for the interchange between chemists of superfluous stocks of synthetics and other pharmaceuticals hitherto largely of enemy-country origin. Such items as "tinct. lupuli," or "powdered quassia" do not come under that category. Then, those with stocks of the articles mentioned to dispose of must indicate the quantities they have for disposal and the prices they want. We cannot undertake to do any bargaining between buyer and seller. We merely put them in touch. This is done by communicating direct to the advertiser the name and address of the seller, and the quantity and price of the article he has to sell. The original postcards are retained in the "Information Department" for reference-purposes. There is no need, therefore, to send a separate postcard for each article named, as a good many have done. Another point that has evidently been overlooked by some is that a register is kept of the *advertised articles only*. It is quite apparent already that this new section of the Supplement is effecting the purpose for which it was intended, and that it will be for the benefit of the trade at large.

Tetrachlorethane Poisoning.

We reported fully in the *C. & D.*, December 26, 1914, p. 53, a coroner's inquest in regard to a death following inhalation of tetrachlorethane, referred to then as tetrachlorethylene. Dr. W. H. Willcox, F.R.C.P., F.I.C., gave evidence in the case then, and he has now contributed to "The Lancet" (1914, I., 544) an article on the subject, describing fourteen cases where poisoning of the liver followed inhalation of the vapour of cellulose varnish in which tetrachlorethane was a constituent. The symptoms, treatment, and toxicological aspects are fully described, and Dr. Willcox concludes thus:

Experiments were carried out by Dr. Veley, F.R.S., in the Physiological Laboratory of the University of London, and these showed that, weight for weight, tetrachlorethane was 2.8 times as powerful a tissue-poison as chloroform ("Proceedings of the Royal Society," Series B. vol. lxxxii., 1910).

Tetrachlorethane is a colourless liquid, $\begin{matrix} CHCl_2 \\ | \\ CHCl_2 \end{matrix}$ Its boiling-point is 147° and specific gravity 1.614. It has a smell like that of chloroform. It is not inflammable. It is known as acetylene tetrachloride and by the trade-name of "cellon." It is used largely owing to its excellent solvent properties for resins, acetate of cellulose, etc. There is no doubt that this compound is a powerful poison to the liver and kidneys, and that it is also a powerful narcotic poison. Every care should be taken in the use of tetrachlorethane to prevent as far as possible inhalation of the vapour.

Those specially interested should read Dr. Willcox's article, which is of much industrial importance. Our report of December 26 well summarised the chemical and toxicological facts.

Canadian Medicine Stamp-tax.

Opposition is being organised to the proposed war-tax on proprietary medicines (*C. & D.*, March 13, p. 83). The Wholesale Drug Association of Canada and the Proprietary Articles Trade Association of Canada and retail druggists are co-operating in the matter, and a deputation was arranged to wait on the Minister of Finance at Ottawa with the object of getting the Government to reconsider the matter. It was pointed out that medicines are already heavily taxed if they contain alcohol, and in addition there are heavy import-duties on foreign proprietary medicines. The stamp-tax proposed represents a tax of 10 per cent. on proprietary medicines, and there is reason to believe that the Government are not averse to modifying this to a 4-per-cent. basis. The stamp-duty would thus be 1 cent on a 25-cent article, and so on in proportion. The recent action of the United States Government in exempting medicines from tax while including perfumes is thought to form a good precedent for a modification of the proposals. Another point upon which it is believed the Government will give way is the requirement that all stocks of proprietary medicines are to be stamped at the time of coming into force of the Revenue Act. It is now thought that the retailer will only be required to affix the stamp at the time of sale. The question of British preference has not been lost sight of, but the extra 5 per cent. Customs-duty will probably remain as proposed.

Inventions
Which have Become Public Property.

VI.

[Continued from The Chemist and Druggist, March 13.]

Lanolin.

Purified wool-fat. Used as an ointment-basis.

Trade-marks: Nos. 50214 (Class 48) and 50215 (Class 3), registered in 1886 by Bemo Jaffé & Darmstaedter, and transferred in 1901 to the Vereinigte Chemische Werke Actiengesellschaft, Charlottenburg, Berlin. Registration was renewed in 1899 and 1913.

Patent: No. 4992 of 1882, "Manufacture of Fatty Matter from Wool-fat," granted to Friedrich Carl Glaser, Berlin, communicated by Dr. Otto Braun and Dr. Oscar Liebreich. The validity of the patent was established by a High Court action in 1893. (*C. & D.*, November 25, 1893, etc.)

The specification states that "the invention relates to a new or improved manufacture of fatty matter from wool-fat termed 'Lanolin,' which may be produced either from the waste liquors of wool-washing works or from ordinary commercial wool-fat."

The process of manufacture which is described consists in submitting the waste liquors to the action of a centrifuge, washing the crude lanolin so obtained in a stream of water until the washings run clear, then heating with water, skimming the fat from the surface, and again centrifuging or dissolving in ether, ethyl or methyl alcohol, or other solvent, and separating by filtration.

Medinal.

Sodium diethylbarbiturate. Hypnotic.

Trade-mark: No. 304403, registered in 1908 by the Chemische Fabrik auf Actien vormals E. Schering, 170 Müllerstrasse, Berlin.

Patents: Nos. 19411 of 1904, and 2566 of 1905, granted to the above-named company. These both became void in 1913. The corresponding patents in the United States are 780241 (1905) and 879499 (1908).

The specification of the first British patent is entitled "Manufacture of Dialkylated Barbituric Acids," these being made by oxidising in acid solution the corresponding guanidine derivatives. The second patent is a development of the methods shown in the first patent. The following is one of the examples given:

One kilo. of diethylmalonyl (which is made either by allowing guanidine-sulphocyanide or guanidine and sodium alcoholate to react upon diethylmalonic-acid ester by starting from monoethylmalonic-acid ester, condensing it with guanidine sulphocyanide or guanidine and sodium alcoholate, and then inserting the second ethyl-group) is dissolved in 17 kilos. of dilute sulphuric acid (12-per-cent.), and when the mixture is at 100° C. a concentrated aqueous solution of sodium nitrite is added to it, the addition being made while stirring well. After cooling, the mixture is made exactly neutral with ammonia. By concentrating the liquid the diethylbarbituric acid, which is with difficulty soluble in water, separates out. By again crystallising out of water the product is further purified.

The sodium salt is not definitely referred to.

Nutrose.

Sodium caseinate. Nutrient in wasting diseases.

Trade-mark: No. 215950, registered in 1899 by the Farbwerke vormals Meister, Lucius & Brüning, Hoechst a/M. Registration renewed in 1913.

Patents: No. 22190 of 1894, "Manufacture of Casein Compounds," granted to above-named company. This patent became void in the seventh year. The German patent is 85057 (6/5/94).

The following is an example of the preparation of the neutral or acid sodium salt of casein given in the British patent-specification:

Three kilos. of casein is dissolved in 3 litres of water with 218 grams or 152 grams of bicarbonate of soda or the equivalent quantity of caustic soda, and the water completely evaporated *in vacuo*, overheating being avoided.

The use of other fixed alkalies, alkaline carbonates, sodium phosphate, and milk of lime was also covered.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Easter Adjournment.

Both Houses of Parliament adjourned on Tuesday evening for the Easter recess. The Commons will reassemble on April 14.

Dentistry in the Army.

Mr. H. J. Tennant, M.P., has officially announced that dentists and dental mechanics, with full outfits of instruments, apparatus, and materials, were some months ago supplied to the British Expeditionary Force. Dentists have already been appointed at the larger stations in the United Kingdom, and more appointments will be made, if required, as soon as the instruments, etc., are available from the manufacturers.

Public Health Commission.

Our Parliamentary correspondent understands that the Royal Commission which has been sitting for some months past, under the chairmanship of Lord Sydenham, to inquire into the whole question of venereal diseases, is now engaged upon the consideration of its report. It is possible, of course, that a further sitting for the taking of evidence may yet be held, if any witness desires to be heard, before the inquiry is closed.

National Dye Scheme.

Sir C. Kinloch-Cooke, M.P., asked the Prime Minister on March 15 whether he will give the names of the directors of British Dyes, Ltd., appointed to represent his Majesty's Government; and what salary, if any, they are to receive.—Mr. Robertson, who replied for the Board of Trade, said it is stated on the prospectus that the directors representing H.M. Government are Sir F. F. Adam and Sir Gilbert Claughton. They would receive no remuneration other than the ordinary directors' fees.

Mr. Boland asked the President of the Board of Trade on March 15 whether, with a view to stimulating research in the production of aniline dyes in Ireland, facilities will be given for the use of duty-free alcohol for this purpose only in the chemical laboratories of the National University of Ireland and its constituent colleges in Dublin, Cork, and Galway, in the Universities of Trinity College and Belfast, and in the Royal College of Science in Dublin.—Mr. Beck, who replied, said it is already the practice to allow public institutions to use duty-free alcohol for research-purposes.

Vegetable Colours.

Mr. King will ask the Parliamentary Secretary to the Board of Agriculture, when the House of Commons resumes, whether he is aware that many herbs, trees, and mosses are the basis of excellent dyes, and that these vegetable dyes produce fast colours superior to any aniline or other chemical manufactures; and whether he has considered the possibility of collecting these dye-materials throughout the country with a view to their being turned by treatment at some central works into dyes capable of use in the textile industries.

Toluene and Explosives.

Mr. Lynch asked the Prime Minister on March 15 whether, in view of the importance to Germany of obtaining a large supply of the crude sources of the explosives it employs, and in view of the advantage of restricting as far as possible this supply, he will have inquiries made as to the comparatively few areas where nitrates are abundant and as to the ultimate sources of toluene available; and whether the Government will, even by extensive financial operations, secure practical control of these.—The Prime Minister replied that he cannot say more than that the matters in question are receiving careful consideration.

Vaccine for the Army.

Mr. Harold Baker informed Mr. Jowett on Monday that the cost of production of Army vaccine in the laboratory of the Royal Army Medical College is estimated to be 1½*d.* per double dose per man.

Mr. Baker also informed Mr. Jowett that the anti-typhoid vaccine used in the Army is made in the laboratory of the Royal Army Medical College, but since the outbreak of war the Inoculation Department of St. Mary's Hospital and the Lister Institute have provided the Army Medical Department with a large quantity of this vaccine at cost price, as the output from the College was insufficient to supply the increased number of troops.

Meat-extracts in Place of Rum Rations.

In the course of the debate in the House of Commons on Monday, March 15, Mr. H. Pike Pease mentioned that he

had been invited by the Under-Secretary for War to give the name of any substitute that he could suggest for the use of abstainers in place of the rum rations. The hon. member stated that if hot water could be provided it would be easy to give either bovril or oxo or some other commodity in place of the rum ration. He understood that one motor-kitchen carried enough oxo, with the necessary amount of water, to give rations to 5,000 men. In regard to cold beverages, he suggested Horlick's malted milk or condensed milk.—Mr. Tennant, in reply, said he would bring to the notice of the Director of Medical Services and the Director of Medical Supplies the suggestions which had been made by the hon. member.

Duty-free Alcohol.

In the House of Commons on March 15, Mr. Hunt asked the Chancellor of the Exchequer whether the duty on alcohol for manufacturing-purposes is five or six times greater in this country than in Germany; and, if so, whether he can take steps to remedy this disadvantage to our manufacturers.—The Chancellor of the Exchequer replied that the alcohol in general use in this country for manufacturing-purposes is industrial methylated spirit, on which no duty is paid. Additional facilities for the use of pure alcohol duty-free for manufacturing-purposes are given under Section 8 of the Finance Act, 1902. The opinion of the Industrial Alcohol Committee, which reported in 1905 (Cd. 2472), was that there are no greater facilities for the use of alcohol duty-free in Germany than there are in this country.

Derelict Parcels.

Mr. W. S. Glyn-Jones, M.P., asked the Postmaster-General, in the House of Commons on Tuesday, what is the number of parcels apparently intended for soldiers and sailors for which the Post Office can find no owner, and whether it would be possible and desirable to distribute the contents of these parcels and of any other derelict parcels containing articles suitable for the purpose either to soldiers and sailors in the field or to British prisoners of war interned in Germany.—Mr. Hobhouse replied that about 9,000 parcels which are intended for soldiers and sailors are at present lying unclaimed. The suggestion which the hon. member makes as to the disposal of these parcels is one which had already occurred to him, and which is, he thinks, well worthy of consideration. He hopes to obtain the consent of the Treasury to the small sacrifice of revenue entailed, and to carry out an arrangement for thus benefiting soldiers and sailors or British prisoners of war, in consultation with a Committee which, he understands, has been set up by the War Office and the Foreign Office to arrange these matters.

Customs (War Powers) Act.

The Attorney-General, in moving the second reading of the Customs (War Powers) Bill on March 1, explained that it deals with four or five specific points. For example, it provides that where the Commissioners of Customs and Excise have reason to suspect that the country of origin of any goods is an enemy country the goods may be seized. He said that the reason for this provision is that for months arrangements had been in operation whereby if an importer wishes to import goods from Belgium, Norway, Sweden, or some other neutral country which is neighbour to an enemy country he could protect himself against the risk of being charged with trading with the enemy by providing himself with the certificate which in proper cases the British Consul of the neutral country provides, showing that the goods really are the goods of a neutral country. There are, however, people who will not do this, and importers in this country who take the risk of importing goods without the certificate. Under the Bill such goods can be detained, and the importer has to show that the suspicion entertained by the Customs is wrong. The Bill passed through all its stages without amendment, and has since been enacted.

Eclectic.—Professor J. U. Lloyd finds that the term eclectic applied in America to the certain school of medical thought is not original. The term has been employed since the second century of the Christian era to various schools of medicine.

Bulletins 692 and 693 of the University of Wisconsin, recently issued, are further contributions from the course in pharmacy at the University. The former, by Mr. H. A. Langenhan, B.S., gives the results of an investigation undertaken to ascertain the alkaloidal-content of stramonium-leaves obtained from various species over a succession of years. The latter, by Mr. Emerson R. Miller, deals with the chemistry of the oils of several species of *Eupatorium*, and a study of the chemical and physical properties of Wisconsin wormwood oil.

Trade Notes.

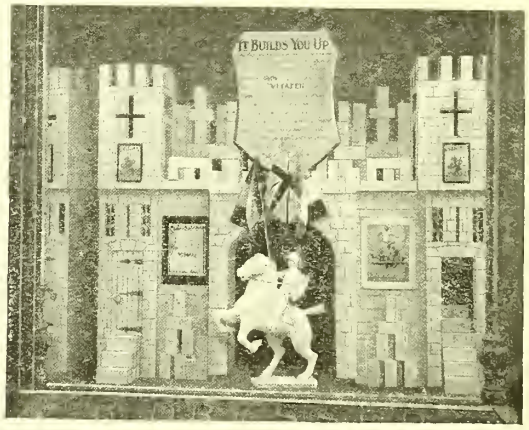
Waxes and Vegetable Acids are the special lines which are dealt in by Robert O. Wiener & Co., 5 Water Lane, Great Tower Street, London, E.C. Medicinal petroleum oil and jellies are also offered.

"N. C. R. Weekly."—No. 19 of Vol. V. of the "British N. C. R. Weekly" is a special shopkeepers' edition. It enforces the maxim that "Whenever you pay out money you should get a receipt," and there is an article by Mr. John H. Patterson on "Why I Believe in Giving and Getting Receipts." The "British N.C.R. Weekly" is published by the National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W., and copies can be obtained on request.

P.A.T.A. Year-book.—The 1915 edition of the "Year-book" of the Proprietary Articles' Trade Association has been issued this week. It contains a list of 340 firms who have placed their preparations on the Protected List, and an alphabetical list of the articles on the list, with minimum retail and wholesale prices. The names of the subscribers are also given arranged under the towns. Information is appended regarding the aims and objects of the Proprietary Articles Trade Association and the Chemists' Defence Association.

Sedobrol.—The Hoffmann-La Roche Chemical-works, Ltd., 7 and 8 Idol Lane, London, E.C., have sent us a sample of "Sedobrol," which is a new form of exhibiting bromide in cases of epilepsy. Sedobrol is in the form of square tablets, each containing 17 grains of sodium bromide with the constituents of a vegetable bouillon. When one or two tablets are dissolved in a cup of hot water a product resembling beef-tea is obtained, the salt flavour being due to the sodium bromide contained in each tablet. In general, sedobrol is given in all cases where bromides are indicated, but this form is particularly suitable for use in epilepsy, where the prolonged exhibition of bromides is desirable. The modern method of administering bromides is to withdraw salt from the diet, partially or entirely, and so increase the effect of bromide. A pamphlet by Dr. A. Ulrich (Zurich), entitled "Notes on the Technique of Effective Bromide Therapy in Epilepsy," explaining the use of sedobrol, will be sent to any chemist by the Hoffmann-La Roche Chemical-works.

Vitafer Window-displays.—The result of the Vitafer Window-display Competition is announced by Southall Bros. & Barclay, Ltd., Birmingham, as follows: Mr. M. Folkard, York (first prize, 10*l.* 10*s.*); Mr. F. Oldham, Wisbech (second



prize, 5*l.* 5*s.*); Mr. F. H. Reed, Ilfracombe (third prize, 2*l.* 2*s.*); Mr. F. Slawson, Matlock Bath (extra prize, 2*l.* 2*s.*) Each of the following received 1*l.* 1*s.* prizes: Mr. J. Barker, Leicester; Batho & Co., Torquay; Mr. C. R. Dixon, Rhyl; Mr. J. Harper, Starbeck; Mr. W. H. Harrison, Hindley; Mr. G. R. Moseley, Harborne; Mr. H. S. Peirson, New Brighton; Mr. C. E. Shipman, Bognor; Mr. J. H. Smith, Rishton; and Mr. F. D. Spencer, Stratford-on-Avon. The rules governing the award of prizes were:

1. The originality of the idea.
2. Whether it would immediately strike the observer as expressing the qualities of Vitafer.
3. The pulling power of the display on the passer-by.
4. The amount of skill and ingenuity displayed in carrying it out.

5. Its suitability, in the way of cost of material and adaptability, for easy reproduction.

The competition has produced some excellent window-shows, and we illustrate the one which obtained the first prize. Mr. Folkard utilised the whole of his window with a scale model of the city walls of York in cardboard on a wooden frame. All the details of the doors, etc., were accurately portrayed, while the Vitafer knight appropriately completed this attractive window. At night the turrets were lighted up with electric bulbs. The cost of the materials with which the window-display was constructed was only 6*s*.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. John Fletcher Sanders, chemist and druggist, Silver Street, Ilminster, has been re-elected to the Ilminster Urban District Council.

Mr. T. B. Cornfoot, chemist and druggist, Herne Bay, has been reappointed honorary optician to the Herne Bay Cottage Hospital.

Mr. Daniel Arnott, Ph.C., Taff Street, Pontypridd, has been returned unopposed to a seat on the local Urban District Council.

Mr. T. Charles, chemist and druggist, Queen Street, Burslem, has been re-elected a Vice-President of the local Traders' Association.

Mr. N. G. Beck, chemist and druggist, Church Road, Burgess Hill, Sussex, has been re-elected a member of the local Urban Council.

Mr. Edgar Neale, chemist and druggist, High Street, Chippenham, has been re-elected a member of the Committee of the Chippenham Cottage Hospital.

Mr. R. E. Hirch, of the British Casein Co. (1911), Ltd., 24 Great Dover Street, London, S.E., is sailing from Liverpool on the *Megantic* on a three months' business tour in the United States.

Mr. Augustus W. Gedge, pharmacist, Galen House, Malvern Link, whose term of office as a member of the Malvern Urban Council shortly expires, has been re-elected a member of that body.

At the annual meeting of the Southend and District Railway Travellers' Association, Mr. Jas. V. Tozer, druggists' sundriesman, Southend-on-Sea, was re-elected Chairman. The Association represents 12,000 season-ticket holders.

Mr. H. I. Lloyd, Emmanuel College, Cambridge, was elected President of the Union Society on March 9. Mr. Lloyd, who is the son of Mr. I. T. Lloyd, chemist and druggist, King's Road, Chelsea, London, S.W., is studying law at Cambridge. He was educated at the City of London School.

Dr. W. Macargur Scott was appointed district medical officer for West Liverpool on March 16. Dr. Scott, who is registered as a pharmaceutical assistant (Ireland), served his apprenticeship in pharmacy with Mr. J. Waugh Nicholl, Ph.C., High Street, Belfast, and during the South African War (1899-1903) was resident apothecary at his Majesty's Royal Cambridge Hospital, Aldershot.

LIQUID PARAFFIN.

An investigation has been made by Dr. W. A. Bastedo, New York, on behalf of the Council on Pharmacy and Chemistry of the American Medical Association, as to the relative efficiency of liquid paraffins of different origin. The results of this clinical investigation appear to warrant the conclusion that so far as therapeutic results are concerned the differences in the action of the three varieties of liquid petrolatum—namely, light Russian liquid petrolatum, heavy Russian liquid petrolatum, and American liquid petrolatum—are too slight to be of importance. We note that a correspondent of the "British Medical Journal" suggests that Dr. Allan Jamieson (*C. & D.* Col. Supp., March 13) confuses liquid paraffin with crude paraffin oil; the former is non-irritating, the latter may be.

The Exports of Tartar from Tarragona during 1913 amounted to 1,983 tons, against 1,481 tons in 1912, an increase of 502 tons. Wine-lees exports from Alicante during 1913 amounted to 4,320 tons.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Birmingham.—At a recent meeting of the Panel Committee a report on excessive prescribing was drawn up for presentation to the Insurance Committee. Certain practitioners were recommended for surcharge. The estimates of the Pharmaceutical Committee for administrative expenses, with certain modifications, were approved. The Committee disapproved of the idea of a Central Prescription-checking Bureau.

Blackburn.—A statement presented to the Insurance Committee on March 10 shows that in 1913 213,263 prescriptions (value, as checked, 7,196*l*.) were dispensed, compared with 203,530 (value 7,220*l*.) in 1914.

Cornwall.—A meeting of the Pharmaceutical Committee was held on March 8, Mr. H. H. Cannon (Penzance) presiding. A report on the scrutiny of the 1914 prescriptions was presented, showing that 119,209 prescriptions (value 4,452*l*.) were dispensed, an increase of 4,514 prescriptions and an additional cost of 441*l*. compared with 1913. The average cost per prescription was 8¾*d*. (8*d*. in 1913), and the cost per insured person 2*s*. 2½*d*. (2*s*. 2*d*. in 1913). Thirty-five doctors were over the 2*s*. 2½*d*. average, and twenty-nine over 2*s*. 9*d*. per person on their lists. It was decided to send a copy of the report to the Panel Committee, requesting them, in view of the heavy deficit on the Drug Fund, to investigate the cases of alleged over-prescribing. Mr. Gee and the Secretary (Mr. W. T. Hall) were appointed to interview the Chairman and Secretary of the Panel Committee, to state the chemists' case, and to ask that a Sub-Committee of the Panel Committee should confer with a Sub-Committee of the Pharmaceutical Committee, when full particulars would be placed before them. A Sub-Commitee, consisting of Messrs. Cannon, Gee, Roberts, Bond, Stephens, and Hall, was appointed to meet the Sub-Committee of the Panel Committee, and was instructed to bring up at the joint conference, in addition to the report on the scrutiny, the questions of rural areas, rep. mist., earlier application for Sanatorium Benefit, extensive ordering of dressings in one locality, dispensers writing prescriptions, and doctors giving prescriptions for patients on their dispensing list. The checker complained that certain chemists are not sending in prescriptions monthly, thereby causing great difficulty in checking, owing to the supplementary Tariffs, when several months' prescriptions are mixed. It was decided to instruct him to send such mixed prescriptions back to the chemists to be sorted. It was resolved to retain the scrutiny clerk permanently to facilitate the check on excessive prescribing.

Coventry.—The Panel Committee at a recent meeting resolved to ask the Insurance Committee to pay a flat rate to doctors for emergency drugs and dressings in future. It was suggested that the rate should be 1*s*. per annum per 100 insured persons. The Committee agreed to pay 15*l*. per annum towards the expenses of checking prescriptions, the arrangement to be for one year only.

Croydon.—The Panel Committee has approved of the application of the Pharmaceutical Committee for a grant, not exceeding 50*l*., for administrative expenses for 1915.

Durham.—The Panel Committee, having considered the report of the special Sub-Committee appointed to inquire into alleged excessive and extravagant prescribing, and having heard certain of the practitioners concerned, has decided to recommend the Insurance Committee to surcharge the practitioners in the amounts specified in the report, with the exception of one practitioner, who, in the opinion of the Committee, satisfactorily explained his prescribing. A further report of the special Sub-Committee was considered at the same meeting, and it was decided to notify certain practitioners that it was the intention of the Committee to recommend them for surcharge, unless an intimation was received within fourteen days that the practitioner desired to be heard by the Committee. It was arranged to receive a deputation of the Pharmaceutical Committee, in regard to the supply of dressings, at the next meeting of the Committee. It was agreed that a Joint Committee, consisting of the members of the Medical Service Sub-Committee and the Pharmaceutical Service Sub-Committee, be appointed to prepare a scheme for the checking and analysis of chemists' accounts and prescriptions. It was reported that the local Formulary had now

been printed and circulated. The Committee approved of the application of the Pharmaceutical Committee for administrative expenses.

Essex.—The Insurance Committee on March 16 passed payment to certain chemists of 75 per cent. (861*l.*) of their claims for the quarter ended December 31, 1914. The Chairman of the Finance Committee, in reply to Mr. C. Goode, stated that the deficit on the 1914 Drug Fund would work out at 10 per cent. He expressed regret that discounting would be necessary. This is more satisfactory than some panel chemists had anticipated, and is the outcome of the work of the Drug (Joint) Sub-Committee. This Sub-Committee reported further consideration of the question of the use of private or local Formularies, and, having regard to the opinions expressed by the Panel and Pharmaceutical Committees, recommended that panel practitioners and chemists be notified that from April 1 any prescription consisting of a private formula shall be referred to the Pharmaceutical Committee for report as to whether, in their opinion, the items in the chemist's account should be reduced or disallowed, and that any formula not included in the B.P. or B.P.C. shall for the present be regarded as a private formula. The Sub-Committee further reported that the Panel Committee have notified their intention of advising all panel practitioners that in the case of any prescription containing proprietary articles the practitioner will be required to show cause why he should not be surcharged. The report was adopted. It was reported that the Commissioners had sanctioned the proposal that East Ham, which is about to become a county borough, shall remain within the Essex county area for Insurance purposes until January 1916. Two chemists (branch shops) were added to the panel of chemists.

Gloucester.—The Commissioners have approved of a resolution of the Insurance Committee to surcharge a panel practitioner 95*l.* 15*s.* on account of excessive prescribing.

Hull.—The Panel Committee has recommended panel practitioners to adhere to the B.P. 1898 in prescribing for insured patients, pending revision of the local Pharmacopœia.

London.—A meeting of the County Pharmaceutical Committee was held on March 16, Mr. J. Keall presiding, when the following resolutions were passed and ordered to be sent to the Insurance Committee:

(*a*) That the Pharmaceutical Committee greatly deplore the delay in checking prescriptions and the consequent delay in payment thereof, and strongly urge the Drugs and Appliances Sub-Committee to speed up in every possible way the work forthwith.

(*b*) That the Pharmaceutical Committee urgently request the London Insurance Committee to pay January accounts submitted by chemists and other persons in full, as previously agreed, by the 30th of March, together with an advance of 6*d.* per prescription submitted for the month of February.

(*c*) That on the 30th of each subsequent month an advance of 6*d.* per prescription be made to chemists and other persons on the London panel in respect of prescriptions submitted for the previous month.

(*d*) That the suggested arrangements for advances to the value of 6*d.* per prescription submitted month by month shall continue until the month of July 1915.

The Secretary submitted an analysis of excessive prescribing cases, and reported on various matters which he has investigated. One of the matters was in regard to excessive prescribing. Besides the forty-six cases investigated by the Panel Committee, and representing 110*l.* 5*s.* 2*d.*, which the Insurance Committee has ordered to be deducted from the payments to eighteen panel doctors, the Panel Committee has now furnished particulars of eighteen cases for May 1914, reporting thus: Evidence insufficient, 4; not excessive, 3; excessive, 4; military duty, 2; deceased, 2; gone, no address, 1; resigned from the panel, 2. The Committee signified its approval of a scrutiny of the first quarter's accounts for 1914. Final proofs of the Formulary for London County will be circulated this month. The Committee expressed the opinion that poison-bottles should be placed on the deposit system.

Middlesex.—Mr. Clement presided at the monthly meeting of the Pharmaceutical Committee, when Mr. Hugo Wolff reported on the proceedings of the Insurance Committee. Some interesting correspondence from the Panel Committee was submitted. The Committee decided that certain prescriptions should be referred to the Panel Committee, and a request made for further prescriptions in relation to a case at present under consideration.

Peterborough.—It was reported at the meeting of the Soke Insurance Committee on March 10, that the County Council had obtained by purchase from London cod-liver oil and similar drugs required for Sanatorium Benefit. The Committee also received a letter from the Commissioners about a combined system of checking and analysing prescriptions and chemists' accounts, and it was decided to consider the question at the next meeting of the Medical Benefit Sub-Committee. Mr. E. J. George, of Walsall, has agreed to do the checking.

Sheffield.—The Pharmaceutical Committee met at the Insurance offices on March 16, Mr. J. Gilbert Jackson presiding, when the action of the Sub-Committee in making application for administrative expenses based on last year's estimate was confirmed, with the provision of a further grant being asked for if the checking of prescriptions becomes a further charge. The Committee decided to support retaining jointly the authority over any officials who may be appointed for the checking and scrutiny of prescriptions. It was agreed that the Committee should offer evidence as to the nature and quality of stock mixtures and panel Formulary to be given before the Departmental Committee. It was recommended that a Panel Formulary containing B.P. preparations should be prepared. In the early part of 1913 several drug-vendors claimed the right to dispense medicines other than those containing scheduled poison. The Pharmaceutical Committee strongly protested, but some encouragement was given then by an official. One account was paid, but has since been refunded. Now the Committee have had under consideration a letter from a drug-contractor asking for payment. This was remitted by the Commissioners, to whom he had appealed, saying it might be paid as an act of grace. The Pharmaceutical Committee have decided not to comply with the request, as the conditions were well understood at the time, and it would be unfair to the other contractors. Further particulars are required in support of the grant of 800*l.* asked to be transferred from the Sanatorium Fund to the Drug Fund. Some trouble having been caused by the supply of only single copies of prescriptions, particulars of the defaulters are to be supplied to the Insurance Committee. The Committee unanimously agreed to confirm the notice sent out that only 8-oz. Panel Formulary mixtures, without variation in quality or quantity, should be allowed. It was decided to ask the Clerk to the Insurance Committee to request the medical men who practice in areas overlapping city and county committees to use special care in writing prescriptions on the forms applicable to the particular area.

Staffordshire.—At a meeting of the Insurance Committee on March 6 the Medical Benefit Sub-Committee reported that, with regard to the provision of linseed-meal as a part of Medical Benefit, they adhered to their previous resolution (*C. & D.*, February 13, p. 53). The Sub-Committee also recommended that serum and vaccine treatment should be provided for insured patients at the discretion of the Sub-Committee. Consideration of a minute of the Panel Committee in regard to excessive prescribing during the quarter ended July 11, 1914, was reported, and the Sub-Committee recommended that the doctors concerned should be surcharged the amounts recommended by the Panel Committee. The report was adopted. A motion by Dr. Mackenzie that panel doctors should be supplied with dressings, etc., for their insured patients at the expense of the Drug Fund was referred to the Medical Benefit Sub-Committee for consideration. The Finance Sub-Committee reported that during 1914 6,977*l.* had been paid to dispensing doctors and 14,738*l.* to chemists, and that for the period January 1 to February 22, 1915, 2,680*l.* had been paid to chemists.

West Bromwich.—The Medical Service Sub-Committee of the Insurance Committee has considered a complaint against a panel doctor by an Approved Society, alleging that he signed notes for sick pay for a patient he had not seen for a week. The Sub-Committee considered that the doctor should have been interviewed by the Society's officials before the complaint was made, and decided to take no further action. The Medical Benefit Sub-Committee have investigated a case of alleged excessive prescribing, and it transpired that Sanatorium Benefit prescriptions had not been so marked. A panel doctor is at present interned in Germany, and the Chairman and Clerk have been empowered to do what they can for his panel patients. The Finance Sub-Committee recommend 55*l.* to be transferred from the Sanatorium Fund to the Drug Fund to allow for prescriptions not endorsed "Sanatorium." The Pharmaceutical Committee have elected Messrs. Keene and Griffith, sen., to fill the vacancies through resignations of Messrs. Edgson and Osborne.

SCOTLAND.

Aberdeen.—The February accounts for drugs supplied under the National Insurance have now been paid to the extent of 70 per cent., as in January.

Dundee.—Panel chemists have been paid 75 per cent. on account for medicines, etc., supplied during January 1915.

Edinburgh.—The checker's reports on the scrutiny of prescriptions were considered at a recent meeting of the Panel Committee, and the Secretary was instructed to write to the doctors whose figures were considered excessive. Replies from two practitioners regarding instances of apparent excessive prescribing were considered satisfactory. The Secretary was instructed to communicate again with one practitioner who had failed to reply.

Glasgow.—At a meeting of the Insurance Committee held on March 10, Mr. R. D. MacEwan, the Chairman, said in answer to a member, that at a meeting of representatives of two-thirds of the insured in Scotland it had been decided not to appeal to the House of Lords against the decision of the Inner House of the Court of Session in the matter of the Checking Bureau Scheme, but that everything should be done to get the House of Commons to review the Regulations. It was proposed to send a deputation to Mr. Montagu in regard to the matter, and he asked that the Committee be allowed to take part in the deputation. The request was granted.

Peebles.—At a meeting of the Insurance Committee on March 15 it was reported that 2,474 persons are on the lists of panel doctors who supply medicines and appliances under the rural area regulation.

WALES.

Cardiff.—At a meeting of the Pharmaceutical Committee on March 9, the Secretary (Mr. S. B. Eason), in submitting a report of the analysis of the 1914 prescriptions, said that the figures for the second half of the year were nearly 50 per cent. less than those for the first six months, and it was evident that the steps taken by the Pharmaceutical Committee were fully justified and had the desired effect. The report was adopted, and ordered to be sent to the Panel Committee for consideration under Regulation 40. The question of stock mixtures was considered, and it was resolved to take no action in the matter till the mixtures on the list submitted had been tested as to their keeping properties.

Carmarthenshire.—It was reported to the Insurance Committee at a recent meeting that there is a deficit of about 300*l.* on the 1914 Drug Fund, largely due to the great quantity of malt and oil prescribed by the practitioners. The Drugs and Appliances Sub-Committee disapproves of the Central Checking Scheme proposed by the Association of Welsh Insurance Committees.

Notes.

Practitioners and the Pharmacists.—The news that the Panel Medico-Political Union are about to engage upon the important work of preparing and collecting evidence for submission before the Departmental Commission appointed to inquire into the adequacy of the Drug Tariff will be cordially welcomed by all panel practitioners. Nor is there much doubt that such evidence will come as a big revelation to the general public, who in the past have had anything but a correct view of the situation put before them. Attempts have from time to time been made, particularly at the deliberations of the Insurance Committee, to saddle the medical profession with the blame for the large deficit that has arisen in the Drug Fund in London, but a brief investigation of the actual facts of the case will not only show how entirely erroneous such a view is, but at the same time expose the schemings of the Approved Societies and pharmacists in their effort to make a scapegoat of the doctors. When entering into their original contracts the chemists undertook what amounted to a trade gamble, pure and simple, the very nature of which was so apparent that even the Commissioners in their wisdom thought it prudent to introduce a discounting clause. Profits of 200 per cent. and more, in addition to an extremely liberal dispensing-fee, are not sufficient for the modern chemist, however, who, recalling the palmy days prior to the inroads of the large wholesale and cash-chemist firms, would like to mulct the public again to the extent of 1,200 per cent., or even 1,500 per cent. Unhappily for them, the 2*s.* per head of the insured population, although providing for a handsome profit, does not permit of a scandalous waste of public money, with the result that, having secured all the money available for the Drug Fund, they now find themselves faced with the unpleasant but inevitable prospect of having their bills discounted. This has led to a general outcry on the part of the chemists, who, after a futile tirade against the Government, the Insurance Committee, and their own leaders, now turn, and in a final effort of despair charge the doctors with excessive and extravagant prescribing. Their efforts in this direction, however, will undoubtedly miscarry, we believe, once the man in the street has been placed in possession of the true facts of the case. It is in this direction that the Union can, and will, carry out valuable missionary work. The doctor has loyally done his duty by his patients, keeping his prescribing down to the very lowest possible standard consistent with the welfare of his patient. Doubtless the chemist would gladly have the patient given inadequate treatment in order that his own already large profits might be still further increased, but with the present standard of ethics among medical workers he is doomed to disappointment. The patient's welfare must be the first and essential consideration of the doctor; while acting in such a manner, the prospect of bringing the whole of the matter into the searching light of public opinion will always be a strong safeguard for him. At present the average man has little idea of the huge profit the pharmacist is deriving from dispensing under the Insurance Act, but once make the facts public, and the insured population will seriously have to be reckoned with if any attempt be made, either by the chemists or the Insurance Committee, on the score of the Drug Fund, to prevent the doctors from doing their duty freely and loyally by the poorer classes.—*The Medical World.*

Winter Session
of Meetings of Trade Associations.

(See also "Insurance Act Dispensing.")

Aberdeen.—The annual general meeting of the Pharmaceutical Association was held on March 3, Mr. J. R. Reith presiding. The annual statements were submitted, the Executive report showing that the Association had maintained its membership at fifty-eight: and the Treasurer's statement showed an increased balance. The office-bearers for 1915-16 were elected as follows: *President*, Mr. J. R. Reith; *Vice-President*, Mr. A. F. Dugan; *Treasurer*, Mr. Chas. Simpson; *Secretary*, Mr. W. F. Hay; *Auditor*, Mr. D. Anderson; with Messrs. Craig and Giles as members of Committee. On the motion of the President, Mr. David Ritchie was unanimously elected an honorary member. Mr. Ritchie has been a member since 1873, and is *persona grata* in the district.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on March 9 at the Hotel Portland. Mr. T. E. Furness was in the chair, and there were nine members and Mr. J. H. Toplis (Hon. Secretary) present. With regard to the sale of laudanum by retail, it was decided to sell the B.P. 1898 preparation, and to label it as such. The retail prices of advancing drugs were discussed and revised. It was decided in future to close shops at ten o'clock on Saturday nights. Insurance dispensing came in for much criticism, and it is seriously contemplated to give up the work at the earliest possible opportunity.

Dewsbury.—A meeting of the Dewsbury Pharmacists' Association was held on March 15, the President (Mr. G. N. Gutteridge) occupying the chair. There were also present nine members and the Hon. Secretary (Mr. R. Day). Mr. Broadhead moved, and Mr. Pickard seconded: "That this Association entirely agrees with the protest of the Pharmaceutical Council against the action of the Medical Council in not admitting representative pharmacists on the Pharmacopœia Committee." The resolution was carried. On the motion of the President, seconded by Mr. Blakeley, it was resolved to support the attitude of the Pharmaceutical Council in their action regarding Section 4 (*b*) of the Poisons and Pharmacy Act, 1908. A discussion took place relative to the contemplated shortage of drugs, and the advisability or otherwise of establishing a uniform retail price-list of certain drugs. No resolution was passed.

Ealing.—The whist-drive of the Ealing Pharmacists' Association on March 10 at Buol's Restaurant, Ealing, though falling off in point of numbers, was nevertheless a great success. Mr. Arnold Roberts (Acton) organised the function, and Mrs. Roberts presented the prizes. The winners were: *Ladies*—Miss Hodges, Mrs. Hughes, Mrs. Doy, and Mrs. Harrison; *Gentlemen*—Mr. Bradnam, Mrs. Barrett (playing as a gentleman), and Mr. Millner.

Early-closing Association.—The Board of Management dinner of the Early-closing Association was held at the Trocadero Restaurant, London, W., on March 10. Mr. John Hinds, M.P., was in the chair, and he was supported by members of the Board of Management and Captain Albert Larking (Secretary). After dinner an instructive discussion took place on the past and future work of the Association, Captain Larking contributing a *résumé* of the accomplishments of the Association since its establishment in 1842. At the time when the Association was founded city warehouses and shops were open late every night, including Saturday. There were no half-holidays, summer

holidays, Christmas and Easter holidays, or bank holidays. The only cessation from business was on Sundays, Christmas Day, and Good Friday. Since then much progress has been made in limiting the hours of labour. For the last four or five years, however, no progress has been made, but it has been decided to open an active campaign having for its object the institution of an eight-o'clock closing-hour. To promote this funds are required, for which an appeal is being made to traders. The speaker touched upon the question of the unrest among assistants regarding long hours, and expressed the opinion that many assistants who have joined the Forces will need attracting back to the shops. The other speakers referred to the need for legislation, the Sunday-closing problem, the difficulties of half-holiday closing in London, the effect of the Lighting Restrictions Act ("a blessing in disguise"), the restriction of the hours of public-houses, and the effect of costermongers on retail traders.

Edinburgh Assistants.—A meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place, Edinburgh, on March 10, Mr. W. Lockerbie Thomson (President) in the chair, when a paper on "The Examination of Commercial Ethers" by Messrs. B. S. Ellis and A. Flett was read. The authors conclude that of the B.P. tests for ethers, the determination of the specific gravity is of the least importance. The results obtained by them in a series of determinations—0.720 to 0.723—they consider very satisfactory. They attach great importance to fractionation of the ether under examination in an apparatus designed so as to enable the operator to determine the fractions throughout the boiling range of the ether. On fractionation of several samples of commercial ether in a special apparatus designed by Mr. W. B. Cowie, Ph.C., F.C.S., they obtained data from which they conclude that some of the commercial ethers on the market require to be fractionated to bring them within the standards of the new Pharmacopœia.

Harrow.—A meeting of the Harrow Pharmacists' Association was held on March 11 at the Gayton Rooms, Harrow. There was a fair attendance. The principal topic of discussion was the delay in paying chemists for Insurance dispensing. A resolution was adopted protesting against the dilatory method of payment, and urging the County Executive to ascertain the views of the other district Associations, with a view to resigning from the panel *en bloc*.

London (N.).—The monthly fireside social of the North London Pharmacists' Association was held on March 11 at the residence of Mr. and Mrs. G. Duncan Bowie, 46 Tufnell Park Road, N. The evening was devoted to a whist-drive. The winners of the prizes, presented by the host and hostess, were: *Lady's*, Mrs. G. A. Tocher; *Gentleman's*, Mr. H. C. Payne. After refreshments, the following contributed to the musical programme: Miss Bowie, Miss Ena Bowie, Mrs. Payne, Miss Marshall, and Messrs. Bowie, Panton, Fleming, and Tocher.—A meeting of the Enfield and Winchmore Hill Section was held on March 16, by permission of Mr. J. H. P. Bolton, at Hoppers Road, Winchmore Hill. Several business matters were discussed, together with items under the National Insurance Act. The question of fair profits on articles on the P.A.T.A. list was raised, and a general agreement was expressed with the action being taken throughout the county. A vote of thanks to Mr. Bolton ended the proceedings.

London (S.E.).—The annual social event connected with the South-East London Pharmacists' Association took place on March 11 at Lewisham. The programme was arranged by Mr. E. G. Price, and consisted of items contributed by members and friends. The Misses Hamerton, Grice and Pearl Reeve, and Messrs. Grimwade and Cox displayed special talent. Mr. J. Milner proposed a vote of thanks to Mr. Price, which was carried enthusiastically.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held at the Albion Hotel on March 10, Mr. James Grier, M.Sc. (President), in the chair. About twenty members were present. Various aspects of the *British Pharmacopœia, 1914*, were discussed, although the contribution of Mr. Kirkby, who was absent through family bereavement, was left till a subsequent meeting. Mr. J. H. Franklin gave some notes on a large number of the new galenical preparations. The amount of product from acet. scillæ depends upon the amount of pressure employed on the marc, and it quickly deposits after filtration. The figure given as the minimum content of acetic acid is likely to cause trouble, as the amount appears to diminish on keeping. Industrial spirit produces very pure ether, and will probably replace duty-paid spirit entirely in the manufacture of ether. It is not a simple matter to prepare a concentrated dec. aloes co. which shall correspond, when diluted, with the B.P. decoction. The additional amount of spirit in ext. cascar. sag. liq. causes an advance of 2*d.* a lb. in this preparation. Alcohol (40-per-cent.) should have been employed in exhausting ergot for the liquid extract. The new powdered extract of henbane is four times as strong as the average green extract of the B.P. 1898, but the dose remains the same. The new hydrarg. oleat. is a great improvement on the old preparation. Liq. cresol. sapon. is a poor attempt to supply a formula for lysol. If half the quantity of soap had been used the preparation would have mixed readily with water. Linseed oil is more customary in this preparation. Liq. formaldehydi sapon. represents "sapoform." Not many retail pharmacists will be disposed to purchase a polarimeter to carry out the optical tests for oxymel. Light magnesia must be employed in pulv. rhei co.; formerly the option of using heavy or light was given. The optical test for sp. camphoræ excludes the use of synthetic camphor. Hypophosphorus acid answered well as a preservative for syr. ferri iod., but it has been discarded, although used for syr. acid. hydriodici. It should be possible to avoid the wasteful process of evaporating ext. bellad. liq. for plaster, ointment, and suppository. It is very difficult to obtain Jamaica ginger which gives 5 per cent. of alcoholic extractive. The ash from the evaporated residue of lime-juice is placed at not more than 3 per cent. This probably refers to the original juice. The 7-per-cent. acidity allowed for adeps lanæ is absurdly high, and represents the crude article. The work is a great advance on the previous issue, but omits a large number of galenicals in common use. Mr. J. Grier then gave a brief account of his experience of the ointments. He thought that the use of lard in many cases instead of the paraffin base is an improvement. Ung. acid. carbol., ung. cetacei, and ung. capsici are all improvements. Ung. paraffin., he said, cannot be made by the retail pharmacist unless he has a milling-machine. Made according to the B.P. directions, the finished product is a very hard mass, but if milled it is of a soft consistency. He also pointed out that under ung. paraff., when the yellow variety is to be made, no mention is made of using yellow beeswax. Ung. hyd. ammon., although half the strength, seems to answer the purpose just as effectively, owing to the improved base. In the discussion which followed Mr. Joseph Bell mentioned that the altered strength of tinct. opii places a grave responsibility upon the chemist in dispensing, as but few medical men have yet realised the increased strength. Mr. Thorpe said that one doctor had informed him that when tinct. strophanth. is mixed with other drugs the action is modified. Mr. Franklin, in reply, referred to the unnecessary increase in the cost of preparations involved by increasing the strength of spirit. Mr. J. Cleworth proposed, and Mr. Delve seconded, a vote of thanks to the lecturers, which Messrs. Franklin and Grier acknowledged. A vote of condolence was passed with Mr. Kirkby on the death of his father-in-law.

Manchester Assistants.—A whist-drive in connection with the Manchester Chemists' Assistants' Association was held on March 10 at the Clarion Café. There were over eighty-five ladies and gentlemen present, including Dr.

Mr. Grier Presenting the Barometer to Dr. Stopford. Sergeant Clark is on the other side of the table.

J. S. B. Stopford (Lecturer in Anatomy at the University), Mr. James Grier, M.Sc., and Mrs. Grier, and Mr. J. Cleworth. Mr. Walter Jones (Hon. Secretary) acted as M.C. During the interval refreshments were provided, after which Mr. James Grier made presentations to Dr. Stopford and Sergeant Clark in recognition of the service rendered to the members of the Ambulance Class which was organised for

the members of the Association last October. Of the candidates who entered for the Ambulance examination, 87 per cent. were successful. They were fortunate, said Mr. Grier, in having had Dr. Stopford to train them. The success of his teaching had been proved by the results of the examination. He hoped the successful candidates would follow up the training, and prove their usefulness whenever opportunities are available. Mr. Grier then presented a barometer to Dr. Stopford, and Sergt. Clark also received a gift. Dr. Stopford and Sergt. Clark suitably replied, each expressing pleasure at the high percentage of successful candidates. The prizes in the whist-drive were won as follows: *Ladies*—Miss Whitlow, Miss Carr, and Miss Johnson; *Gentlemen*—Mr. Hoffman, Mr. Grier, and Mr. Chadwick. Mr. J. Cleworth took a flashlight photograph during the presentation to Dr. Stopford, which we reproduce.

Middlesex.—The Pharmaceutical Association met on March 10, Mr. John Humphrey (President) in the chair. An interesting discussion took place on the reports from the district Associations, and, on the suggestion of the North London Association, it was agreed to ask all the affiliated Associations to concentrate at the P.A.T.A. annual meeting on a 25-per-cent. minimum profit, irrespective of quantity, on all P.A.T.A. articles.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on March 10, when Mr. Wm. Stephenson gave a lecture entitled *Impressions of Belgium*. The lecturer, who is intimately acquainted with Belgium, gave an outline of the history and development of the country, and showed on the lantern-screen a number of lantern-slides of the interesting features of the various cities and towns. The destruction and desolation caused by German infamy were also shown. Mr. Stephenson hoped that the audience would do their best to assist in reinstating the Belgians when the Germans have been driven out.

West Ham.—The annual meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held at Earlham Grove, Forest Gate, on March 11, when the following officers were elected: *President*, Mr. J. Kirkpatrick; *Committee*, Messrs. W. W. Blades, A. H. Cleland, D. W. A. Desmond, J. E. Evans, J. H. Matthews, E. Miller (*Vice-President*), H. Mitchell, W. Potter, and W. T. Johnson (*Hon. Secretary*). A vote of thanks was passed to the retiring President (Mr. E. Miller) and Secretary (Mr. A. H. Cleland) for their work during the past year. The new President, in his address, said that chemists have a strenuous year to face. It therefore behoves all to support the Pharmaceutical Society and their local Associations.

Worcester.—The annual meeting of the Worcester City and County Pharmacists' Association was held on March 4 at the Hop Market Hall, when there was a good attendance. Alderman J. A. Steward (President) was in the chair. The Hon. Secretary and Treasurer (Mr. Donald G. Pout) gave an account of the year's work, and the financial statement showed a balance of 6*l*. 1*s*. 6*d*. There are, however, several subscriptions not included. For the Pharmaceutical Parliamentary Fund 27*l*. 13*s*. 6*d*. was collected from forty-one members. The reports were adopted. The election of officers resulted as follows: *President*, Mr. A. E. Coverdale; *Vice-Presidents*, Messrs. C. W. Turner and J. Hall (Worcester), W. Corbett (Bromsgrove), and J. Nood (Malvern); *Treasurer and Hon. Secretary*, Mr. Donald G. Pout (Worcester); *Committee*, Messrs. Acton, Aubrey, and Sunn (Worcester), Baylis (Malvern), Gedge (Malvern Link), Maurice Smith (Kidderminster), Noak (Bromsgrove), S. Harris (Droitwich), Sellick (Stourbridge), and Makins (Evesham). Alderman Steward was accorded a vote of thanks for his services as President for nine years, and was elected an honorary member of the Association. It was agreed to pay the travelling expenses of the members of the Pharmaceutical Committee out of the Association's funds until such time as the Insurance Commissioners would allow them to be paid from the Administrative Fund. The question of subscribing to the Belgian Doctors' and Pharmacists' Relief Fund was left to individual members. Mr. Pout was especially thanked for his services as Treasurer and Hon. Secretary.

The Friedman Treatment for Tuberculosis.—A report of the Board appointed by the United States Public Health Service for the investigation of Dr. F. F. Friedmann's treatment for tuberculosis is published in a Hygienic Laboratory Bulletin (No. 99). The Board find that the claim of Dr. Friedmann to have originated a specific cure for tuberculosis is not substantiated by their investigation, and that the inoculation of persons and animals with his organism is not without harmful possibilities.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

In regard to quotations for synthetic chemicals and other products obtained hitherto chiefly from Germany and other Continental countries now engaged in war, it should be noted that some of these are strictly nominal, and are not general, but are prices of limited supplies quoted by individual holders and second-hand dealers. Most offers at present made by circular are "without engagement," and subject to the articles being unsold. In many instances higher prices than those quoted in this Report, for various reasons, are being paid.

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42 Cannon Street, E.C., March 18, 6.30 p.m.

BUSINESS is fairly active in chemicals and drugs, with the bulk of values still tending higher. There is a considerable demand for bromides, iodides, bismuth salts, caffeine, morphine, codeine, etc., and the makers are quite unable to keep pace with their orders. The demand for acetyl-salicylic acid still continues strong, and the price has further advanced. Salicylates are practically unaltered. Phenacetin is firmer. Among the heavy-chemical group, ammonium carbonate has advanced ½*d*. per lb.; both potash prussiate and permanganate are firmer. Naphthalene is scarce and dearer; formaldehyde firmer. Antimony is still a rising market and likely to be. Among articles which have weakened in value we include santonin, mercury, ammonium sulphate, turpentine, coconut oil, and vanilla-pods. Apart from the drug-auctions, the values of Sumatra benzoin, dragon's-blood, and Jamaica honey have advanced. The principal movements have been as under:

Higher	Firmer	Easier	Lower
Acetone	Acetanilide	Canary-seed	Ammonia sulphate
Aloes (Cape)	Barbitone	Ipecacuanha	Coconut oil
,, (Curaçao)	Copperas	Mercury	Santonin
Ammon. carb.	Formaldehyde	Opium	Turpentine
Antimony	Lemon oil	Wax, bees' (W.I.)	Vanilla
Benzoin (Sumatra)	Linseed oil		
Cascarilla	Myrrh		
Chiretta	Phenacetin		
Cinnamon	Petroleum		
Dragon's-blood	Potash permanganate		
Honey	Potash prussiate		
Linseed oil	Sarsaparilla		
Naphthalene			
Pimento			
Rape oil			

Cablegrams.

Bergen, March 17.—The cod-fishing has yielded middling results; market for finest medicinal Lofoten oil is somewhat easier.

New York.—Business in drugs is active. Opium is cheaper, at $7.50 per lb. for druggists'. Peppermint oil in tins is steady at $1.55. Senega is firmer at 38c. Belladonna-leaves are dearer at $1.25. Short buchu-leaves are cheaper at $1.45. Jalap is firmer at 9½c.

London Markets.

Acetanilide is now dearer at from 3*s*. 3*d*. to 3*s*. 6*d*. per lb.

Acetic Acid.—Glacial 98-per-cent. is dearer, sellers asking 48*l*. per ton, with the usual differences for other strengths.

Acetone is dearer at from 115*l*. to 120*l*. per ton for pure in accordance with B.G. specification.

Acetyl-salicylic Acid.—The demand is not so brisk this week, although 15*s*. to 16*s*. is being asked for spot delivery.

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Almond Oil.—Last week we stated that artificial oil of bitter almond is very scarce and dear. This does not, of course, refer to the essential oil distilled from peach or apricot kernels, and usually sold as bitter-almond oil, the value of which is from 18*s.* to 21*s.* net.

Ammonia Sulphate is irregular, owing to freight difficulties. London is lower at 12*l.* 15*s.* net, naked at works, for 25-per-cent. ammonia: Hull 24-per-cent. is 13*l.* 10*s.*, Liverpool 13*l.* 10*s.* to 13*l.* 12*s.* 6*d.*, and Leith 14*l.* in bags f.o.b., less 3½ per cent.

Ammonium Carbonate.—Makers have advanced their prices by ½*d.* per lb. to 4¼*d.* net for lump and 4½*d.* net for powder in barrels, with the usual ⅛*d.* per lb. premium for 1-cwt. kegs.

Anise Oil (Star). Quiet, with "Red Ship" brand offering at 4*s.* spot and 3*s.* 6*d.* c.i.f. terms. The spot market is well supplied.

Antimony.—Chinese crude has advanced to 42*l.* on spot, which has been paid.

Areca remains excessively scarce, one holder asking 75*s.* for sound for single bags.

Balsam Peru.—Unusual demand from England has taken up the surplus stock in New York. This is because the direct steamers from the producing countries to England have been withdrawn. It is also said that the London market is not now financing the collectors as in the past. Small spot sales have been made at 12*s.* 6*d.* per lb.

Barbitone commands the higher figure of 37*s.* 6*d.* per lb.

Bergamot Oil.—For shipment agents quoted from 10*s.* 3*d.* to 11*s.* 6*d.* per lb. c.i.f., according to shipper.

Bromides.—American makers are reluctant to sell, and only small quantities are now obtainable, so the outlook is for a further improvement in prices.

Camphor.—Japanese is steady, with sales of slabs for March-April shipment at 1*s.* 4½*d.* c.i.f. In the drug-auction four cases of Japanese 2½-lb. slabs sold at 1*s.* 7½*d.*

A New York report states that the Japanese manufacturers of camphor purchased large quantities of crude with which to execute the orders they had from all over the world at low prices. At the outbreak of the war the goods which had been manufactured to supply orders for Germany had to be sent elsewhere, and the manufacturers found themselves with a large stock of refined goods on hand. The Government authorities ordered a large quantity of crude material with which to manufacture explosives. This has assisted the manufacturers in getting rid of their crude. Most of them are now working on goods manufactured before the war. Should the war continue after manufacturers' stocks are consumed, there will most likely be an advance, particularly as the spring is the most active season.

Canary-seed is easier owing to a falling-off in the demand, and fair quality is quoted 95*s.* to 97*s.*, good 100*s.*, and good to fine Spanish 105*s.* to 120*s.* per quarter.

Chillies.—At auction 15 bags Nyasaland sold at 80*s.* to 100*s.* for dark to fair.

Chloral Hydrate is unchanged at from 5*s.* 6*d.* to 6*s.* per lb. net, duty paid.

Cinchona.—The auction to be held at Amsterdam on March 31 will consist of 658 packages pharmaceutical bark, weighing 37,223 kilos. The first-hand stock at Amsterdam on March 11 consisted of 10,264 packages Government and 56,357 packages private bark. At the London auction on Tuesday 457 packages offered, but only part sold, chiefly druggists' at full prices; the unit of 1¼*d.* was nominally unchanged. Of East Indian, 426 bales and 20 cases offered, and about 80 sold, including *Red* natural stem chips at 4½*d.*, Ledgeriana at 5¾*d.*, and hybrid at 5½*d.* In the drug-auction 34 bales good red flat Cartagena were retired at 9*d.* per lb.

Cinnamon is dearer. Fair average Ceylon for March-April shipment has been sold at 10½*d.*; sellers of firsts quote 11¼*d.*, seconds 10½*d.*, and thirds 9¾*d.* c.i.f. At auction 32 cases Tellicherry sold without reserve at 1*s.* for good firsts, 11½*d.* for good seconds; also 28 bales broken at 7*d.* to 8½*d.*

Cloves are selling on the spot at 6½*d.* for fair Zanzibar.

Cocaine.—For hydrochloride 12*s.* 6*d.* per oz. is now being asked for small lots, with extremely limited stocks.

Coca-leaves.—The auction to be held at Amsterdam on March 31 will consist of 2,427 packages Java, weighing 132,049 kilos.

Cod-liver Oil.—Although there is very little buying from this side, the asking rates in Norway show a further nominal advance, the range of quotations for new Lofoten oil being wide at from 180*s.* to 220*s.* per barrel c.i.f. London, and strictly without engagement. On the spot there are sellers of 1914 oil at from 165*s.* to 175*s.* per barrel. Business has been done in the new oil at from 180*s.* up to about 210*s.* c.i.f.

According to cabled advices received from Norway, the official statistics up to March 13 are as follows:

	Catch of cod	Livers for raw oils (hect.)	Yield of c.l.o. (hect.)
Lofoten, 1915...	7,100,000	£82	6,243
do. 1914...	6,300,000	£82	5,171
Whole country, 1915 ..	23,800,000	4,044	22,787
do. 1914...	27,000,000	4,287	22,151

In Norway the market is described as in quite a "delirious state." It may be recalled that the opening price for this season's oil for the first half of January stood at 80*s.* per barrel c.i.f.; that was previous to Germany purchasing considerable quantities for technical uses in lieu of other oils which were unobtainable, and this state of affairs still exists.

Our Bergen correspondent, writing on March 8, states that the fishing has again made small progress, partly owing to bad weather. The report received gives the following quantities:

	1912	1913	1914	1915
Catch of cod (millions)...	27.2	12.2	18.1	16.3
Yield of c.l.o. (hect.) ...	22,900	9,4.0	15,400	15,700
Yield of liver for raw oils (hect.) ...	4,000	3,100	4,300	3,200

The market is agitated, and unrefined oil has risen since our last report by at least 25*s.* per barrel.

In the drug-auction 34 barrels good non-freezing Lofoten oil were bought in at from 180*s.* to 185*s.* per barrel.

Copper Sulphate rather steadier at 28*l.* per ton for the usual Liverpool brands.

Copperas is rather firmer at 52*s.* 6*d.* to 55*s.* per ton.

Cumin-seed.—Some sales have been made recently of fair quality Morocco at 80*s.* per cwt., being dearer.

Formaldehyde.—Some American makers are unable to offer, and supplies are now by no means plentiful; business has been done at 54*s.*

Lemon Oil is a trifle firmer during the past day or two, according to prices asked by Sicilian shippers, which are from 3*s.* 9*d.* to 4*s.* per lb. c.i.f.; spot values at from 4*s.* 3*d.* to 4*s.* 9*d.*, but demand is slow. A very fair quantity has arrived.

Lime-juice.—There is practically nothing offering; the value of Jamaica is 3*s.* and Dominican 2*s.* 9*d.* per gal. In auction three puncheons of fair flavour, with large proportion of pulp, sold at 2*s.* 1*d.* per gal.

Linseed Oil is active and dearer, pipes on spot being 34*s.* and barrels 35*s.* 3*d.* per cwt.

Lycopodium.—Spot supplies are scarce, with a little offered at 3*s.* 6*d.* per lb.

Menthol.—Quiet at 11*s.* 3*d.* per lb. spot. To arrive, March-April shipment, Suzuki is reported to have sold at 9*s.* 10½*d.* c.i.f.

"Drug Topics," in its market report for February, writes that the market for *Menthol* during the past few weeks has assumed a decidedly stronger position, and the general impression is that we will pay higher prices shortly. In August manufacturers in Japan had a large number of contracts for shipment to Germany. When the war broke out they found it impossible to make shipments, and the goods were stopped in either London or New York. Later shipments for September-October were sent directly to New York, as the sellers in Japan had difficulty in negotiating their drafts in London. In consequence, New York became greatly depressed, as there was not sufficient demand to take up the surplus. Banking conditions in England and France have been resumed on a normal basis since the beginning of the year, and shipments are now going through the same as in normal times. Prices have advanced considerably both here and in Japan.

Mercury is easier at 12*l.* 5*s.* per bottle.

Mint Oil rather firmer for shipment, sellers of Japanese dementholised quoting 3*s.* c.i.f.; spot is about 3*s.* 4*d.*

The exports from Japan during December amounted to 32,649 kin, valued at 63,835 yen, and for the whole year the figures were as follows:

	1912	1913	1914
Kin ...	184,885	282,115	277,677
Yen ...	699,250	1,017,678	808,809

Naphthalene. The principal makers are reported to be behind with their deliveries, and prices have had a sharp advance owing to scarcity. The value of candles and balls in small lots from dealers is about 25*s.*, with few sellers.

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Opium is tending easier, the spot value of 11-per-cent. Turkey druggists' being 24*s.* 6*d.* per lb., and for Persian from 18*s.* to 22*s.* is quoted, according to test.

An American report states that, owing to the consignment to New York of goods that nominally would have been stored in Smyrna and Constantinople or shipped to London or Hamburg, prices have several times been reduced. A considerable quantity has been re-exported, and manufacturers in New York are gradually absorbing the balance. At the start of the war prices for morphine and codeine were not advanced equally with opium, and the recent declines in opium have not equalled the difference; consequently, prices for alkaloids are advantageous.

Petroleum is firmer at 8½*d.* for ordinary refined American and 9½*d.* for water-white. Russian is unobtainable.

Pimento is dearer at from 2 3/16*d.* to 2¼*d.* per lb.

Potash, Caustic.—A limited quantity only is obtainable at 80*l.* for 88 to 90 per cent.

Potash Iodide.—Japanese is inquired for on spot, but appears to be practically unobtainable; for prompt shipment from Japan 12*s.* 6*d.* c.i.f. is quoted.

During the twelve months ended December 31 the exports from Japan were:

	1912	1913	1914
Kin	64,968	54,225	92,153
Yen	317,311	323,947	627,464

Of *Crude iodine* the exports in December were 956 kin, valued at 6,020 yen. During the twelve months they were:

	1912	1913	1914
Kin	17,094	20,210	13,492
Yen	89,958	130,484	82,610

Potash Permanganate is distinctly firmer at from 122*s.* 6*d.* to 125*s.* per cwt.

Potash Prussiate has advanced to 1*s.* 3*d.* per lb. for yellow.

Salicylic Acid is offered at from 7*s.* 6*d.* to 8*s.* 6*d.* per lb., according to seller.

Sandalwood Oil.—Leading English distillers are now asking 23*s.* per lb. for finest quality.

Santonin.—In view of prospective supplies there are sellers at 170*s.* per lb., market being weak.

Sodium Salicylate.—The previous high prices of from 10*s.* 3*d.* to 10*s.* 6*d.* per lb. are still being paid for small lots of sodium powder of European make for prompt delivery. New supplies are expected in a month's time.

Starch-powder is very firm at from 15*s.* 6*d.* to 16*s.* per cwt.

Turpentine is lower on the week, American closing at 37*s.* 6*d.* on the spot.

Vanilla.—At auction on March 11 the large supply of 2,730 tins was offered, the bulk (Seychelles) being bought in as the limits were above buyers' idea of values. Where sold, values declined from 2*s.* to 2*s.* 6*d.* per lb., and foxy 3*s.* Madagascar met with keen competition at a decline of 2*s.* to 2*s.* 6*d.*, and foxy and split 3*s.* lower. Of Madagascar, 1,260 tins offered, and 750 sold, comprising good firsts, 7 to 8 in., 11*s.* 3*d.* to 12*s.*; 6 to 7 in., 10*s.* 6*d.* to 11*s.*; lean to leanish firsts, 7 to 8 in., 9*s.* 6*d.* to 11*s.* 6*d.*; 6 to 7 in., 9*s.* to 10*s.* 6*d.*; 5 to 6 in., 8*s.* to 9*s.* 6*d.*; 3½ to 5 in., 7*s.* to 8*s.* 6*d.*; fair to good seconds, 7 to 7½ in., 8*s.* to 9*s.* 6*d.*; 6 to 7 in., 7*s.* to 8*s.* 6*d.*; 3½ to 6 in., 6*s.* to 7*s.* 9*d.*; ordinary ditto, 4½ to 7 in., 5*s.* 6*d.*; firsts split, 4½ to 8 in., 6*s.* 3*d.* to 10*s.*; seconds split, 5 to 7½ in., 6*s.* to 7*s.*; brown split, 6*s.* 6*d.* to 7*s.* 6*d.*; foxy split, 5*s.* to 5*s.* 6*d.*; mouldy, 3*s.* 6*d.* to 5*s.* 3*d.*; various mouldy, 2*s.* Of Seychelles, 1,526 tins offered, and 235 sold, including good firsts, 8 to 8½ in., 11*s.*; 7½ to 8½ in., 10*s.* 6*d.* to 11*s.*; fair to good, 7 to 8 in., 9*s.* to 10*s.* 6*d.*; 6½ to 7½ in., 8*s.* to 9*s.* 6*d.*; 3½ to 6½ in., 6*s.* to 8*s.* 6*d.*; off flavour, 6 to 7½ in., 7*s.* to 8*s.* 3*d.*; good seconds, 7 to 8 in., 8*s.* to 8*s.* 6*d.*; 6½ to 7 in., 7*s.* to 7*s.* 6*d.*; 3½ to 6 in., 5*s.* to 6*s.* 6*d.*; off flavour, 6 to 7½ in., 6*s.* 6*d.* to 8*s.*; 3½ to 6 in., 5*s.* to 5*s.* 6*d.*; fair splits, 4*s.* 6*d.* to 5*s.* 6*d.*; brown split, 5*s.*; sour ditto, 4*s.*; mouldy, 2*s.* to 2*s.* 6*d.*; various, 4*s.* to 5*s.*; mouldy ditto, 1*s.* to 3*s.* 3*d.*

London Drug-auctions.

Commercial Sale-rooms,
Mincing Lane, March 18, 1915.

At the drug-auctions there was a better general demand. Capo aloes sold well at an irregular advance of about 1*s.* per cwt., or occasionally more. Pale liver Curaçao in cases is also dearer. Sumatra benzoin is 10*s.* to 15*s.* dearer privately, with nothing offered at auction. Buchu is a trifle easier. Cascara sagrada sold at the recent higher values, and again higher rates were paid for cascarilla, especially considering the lean and stringy quality. Cardamoms were flat; higher prices are asked for chiretta. Dragon's-blood is getting scarce, and high prices were paid for Zanzibar drop. Honey was in excellent demand, all the parcels being cleared. Ipecacuanha is more plentiful, and tending easier. Kola steady. Myrrh rather firmer. Rhubarb quiet. Sarsaparilla was rather firmer for grey Jamaica, and steady for Lima and Native. Tinnevelly senna is very scarce. Beeswax is slow of sale, but firmly held generally, with the exception of West Indian, which was cheaper. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Agar-agar	2	0
Aloes—		
Cape	115	110
Curaçao (cs.)	20	0
,, (gourds)	10	1
Socotrine	7	0
Zanzibar	14	0
Ammoniacum	3	*3
Anise, star (cs.)	40	0
Annatto-seed	6	0
Asafetida	27	0
Balsam tolu	25	0
Benzoin—		
Palembang	55	0
Saigon	4	4
Buchu	10	0
Calumba	40	0
Camphor (ref.)	4	4
Canella alba	10	0
Cannabis indica	15	0
Cantharides (Ch.)	2	0
,, (Russ.)	1	*1
Cardamoms and seed	372	5
Cascara sagrada	218	36
Cascarilla	25	25
Cashew-nuts	67	0
Cassia fistula	20	5
Chamomiles	6	0
Chiretta	13	0
Cinchona	34	0
Cod-liver oil	34	0
Colocynth and pulp	22	0
Cubebs	51	11
Cuscus	10	0
Dragon's-blood	16	6
Ecaot	11	0
Gamboge	30	*2
Guaiacum	5	0
Gum acacia	192	19
Honey—		
Californian	60	60
Caracas	26	26
Jamaica	8	8
Mauritius	1	1
St. Lucia	10	10
West Indian	2	2
Ipecacuanha—		
Cartagena	22	*1
Matto Grosso	18	0
Minas	3	0
Henna	9	0
Jalap	8	0
Jambul-seed	2	0
Kamala	3	0
Kino	1	0
Kola-nuts	8	5
Lemon oil	10	0
Lime-juice (pns.)	4	3
Lime oil (W.I.)	1	0
Liquorice-root	70	0
Mangrove bark	820	0
Mastich	4	0
Mineral waters	31	0
Myrrh	66	17
Olibanum	259	10
Orange-peel	40	0
Orris-root (Mog.)	43	43
Peppermint oil	5	0
Pistachio-nuts	3	
Puree	5	
Quinine (oz.)	11,000	
Rhapontica	11	
Rhubarb—		
Chinese	80	0
Sandarac	22	0
Sarsaparilla—		
Grey Jam	12	12
Honduras	22	0
Lima Jam.	19	12
Native Jam.	13	9
Sassafras oil	6	0
Scammony-root	18	0
Senna and pods—		
Alex.	73	15
Tinnevelly	29	28
Tonka beans	9	0
Tragacanth	103	62
Turmerie	628	0
Wax (bees')—		
Cuban	33	5
East African	212	31
East Indian	172	0
Jamaica	25	0
Japanese	15	0
Mombasa	46	0
Morocco	29	0
Mozambique	71	0
Nyasaland	10	0
Spanish	10	0
Venezuelan	5	0
West Indian	20	3

* Sold privately.

Aloes.—Cape met with an excellent demand at an irregular advance of about 1*s.* per cwt.; good bright hard Mossel Bay firsts sold at 34*s.*; fair firsts, 33*s.* to 33*s.* 6*d.*; good seconds, 32*s.* to 32*s.* 6*d.*; fair seconds, 29*s.* 6*d.* to 31*s.*; ordinary dull and drossy, 28*s.* 6*d.* to 30*s.*; and common dull, 27*s.* per cwt. Of Curaçao 20 boxes offered, and bought in at from 80*s.* to 90*s.*; 82*s.* 6*d.* was refused for good pale liver. Ten packages *Gourd* aloes were also bought in at 90*s.*, a bag of pieces selling at 50*s.*

Benzoin.—No Sumatra was offered; privately prices have advanced 10*s.* to 15*s.* per cwt. Four cases blocky pea and bean size Saigon sold at 6*l.* per cwt., subject to seller's approval; 55 cases Palembang offered and taken out at from 40*s.* to 66*s.* for low barky to fair.

Buchu.—Quiet, with fair to good green round offering at from 5*s.* to 5*s.* 3*d.* per lb.; there has been some inquiry from U.S.A. this week. The exports from the Union of South Africa during December amounted to 72,787 lb. (575*l.*), against 65,662 lb. (742*l.*) in 1913. During the twelve months ended December the exports were 818,535 lb. (8,322*l.*), against 702,958 lb. (8,003*l.*) in 1913, an increase of 105,577 lb.

Cardamoms were practically a dead letter, and lower prices would have to be accepted in order to introduce business. A single case of extra bold pale long Ceylon Mysores sold at 5*s.* 7*d.*, and another case of bold pale went at 4*s.* 10*d.*; a case of Bombay *Seed* sold at 3*s.* 6*d.*

Cascara Sagrada.—A lot of 129 bags good bright, imported in 1911, were limited at 45*s.* per cwt.; of a further parcel of 89 bags (1907 import), 36 sold at 45*s.*

The freight on this drug from Pacific Coast is equal to about 8*s.* per cwt., to which has to be added war-risk insurance.

Cascarilla.—Five barrels siftings sold at 60*s.* per cwt. A lot of 20 bales realised 82*s.* 6*d.* to 85*s.* for fair part silvery quill, and 70*s.* to 75*s.* for lean and stringy, being dearer.

Cassia Fistula.—Lean pods sold at 27*s.* 6*d.* per cwt.

Cubebs.—For 11 bags fair genuine slightly stalky 8*l.* 10*s.* per cwt. was paid.

Dragon's-blood.—Six cases Zanzibar drop of fair colour sold at from 9*l.* 10*s.* to 9*l.* 12*s.* 6*d.* Privately, prices show a further general advance.

Gum Acacia.—Fifteen bales of fair pale soft Kordofan gum sold at 47*s.* 6*d.* per cwt.

Honey was in excellent demand, Jamaica being scarce; five barrels sold at 27*s.* for dark brown liquid, and at 32*s.* for three barrels fair setting brown; 10 cases dark liquid St. Lucia realised 28*s.*, two tierces West Indian 27*s.* 6*d.* for fair liquid, and 26 cases Caracas went at 35*s.* to 32*s.* for fair brown set; 33 cases Californian sold at 37*s.* for set white, and 23 cases at 35*s.* for brown sugary.

It is said the Government has been a heavy buyer of honeys, especially Jamaica, and the prices asked privately show a considerable advance, 28*s.* being wanted for fair Jamaica. The new crop is due in about a couple of months, and, owing to higher freights, etc., higher rates will be wanted.

Ipecacuanha was flat and tending lower. Ten bales Matto Grosso were bought in at 16*s.*; 15*s.* 6*d.* will buy fair quality, but no bids were made. Cartagena is obtainable at from 9*s.* to 9*s.* 6*d.* per lb.

Kola.—An odd barrel of fair Grenada halves realised 3¼*d.*, and for a further four bags of fair darkish halves 3½*d.* was paid.

Myrrh.—Common partly blocky Aden sorts were rather dearer, six bales realising 55*s.*; eight bales bold siftings sold at 38*s.* 6*d.*, and three bales dusty siftings at 28*s.*

Olibanum.—Ten cases garblings sold at 22*s.* 6*d.*, and ten cases siftings at 24*s.* Fair pale drop was bought in at 40*s.*

Orris.—A lot of 23 bags Mogador sold at 35*s.* for fair and 15*s.* subject for sea-damaged.

Quinine.—In auction 11,000 oz. sulphate of various German brands were bought in, no price being named; a pocket bid of 1*s.* 1¼*d.* per oz. had been refused.

Rhubarb.—Nothing sold. The value of genuine Shensi, with three-quarters good pinky fracture, is 5*s.* 6*d.*; bold round Canton, 3*s.* 6*d.*; flat High-dried, 1*s.* 4*d.*; and rough, round, horny ditto, 10*d.* per lb.

Sarsaparilla.—Grey Jamaica sold at very firm prices to a slight advance, 12 bales realising 1*s.* 11*d.* to 2*s.* for part slightly coarse to good fibrous; one lot coarse sold at 1*s.* 10*d.* Nine bales Lima-Jamaica sold at 1*s.* 8*d.* per lb., being firm, and for three bales fair Native red Jamaica 1*s.* was paid; a further four bales sold at 11*d.* for mixed colours.

Senna.—Of Tinnevelly only six bales offered, 9*d.* to 10*d.* being wanted for middling to fair greenish leaf; 28 bales *Pods* sold at from 2¾*d.* to 3*d.*, with sea-damaged at 2½*d.* Of Alexandrian 10 packages siftings sold at from 4¼*d.* to 4¾*d.* per lb. Most of the so-called Alexandrian leaf was of Mecca character. Privately, Tinnevelly leaf is extremely scarce and badly wanted, the nominal value of common yellow, which formerly sold at 1*d.* to 1½*d.*, being about 6*d.* per lb., if obtainable. Buyers have had to fall back on T.V. pods and Alexandrian leaf. The value of T.V. pods is 2¾*d.* to 3*d.*, good Alexandrian is 1*s.* 10*d.*, small siftings 6*d.*

Tragacanth.—A line of 62 cases sold by order and for account of the Marshal of the Admiralty (Naval prize) realised from 35*l.* to 37*l.* per cwt. for medium curly seconds, slightly speeky Bagdad, being extremely good prices.

Wax, Bees'.—Slow of sale in auction. Jamaica is tending easier; a bid of 8*l.* 5*s.* is to be submitted for fair; a case of good yellow West Indian sold at 7*l.* 5*s.*, and two cases Antigua and Grenada at 7*l.*; five bags Cuban sold at 6*l.* 10*s.* for yellow and grey; 31 bales Portuguese East African had been sold privately.

Heavy Chemicals.

March 16.

In heavy chemicals the market is devoid of any particular feature. The advance in caustic soda has been well maintained. Other heavy alkalies show little change. Sulphate of copper has not maintained previous rates, and closes about 5*s.* per ton lower on the week. There appears to be great uncertainty as to the future of the raw metal, and sellers here have an idea that prices will advance. Ordinary quotations are 28*l.* 2*s.* 6*d.* to 28*l.* 7*s.* 6*d.* per ton delivered Manchester. White powdered arsenic shows little or no change. Permanganate of potash is higher at 125*s.* to 130*s.* Chlorate of potash is still quoted at 1*s.* 6*d.* and soda 9¼*d.* Yellow prussiate is steady at 1*s.* 2*d.* to 1*s.* 3*d.*, but soda is firmer at 7*d.* per lb. Bicarbonate of potash, while remaining nominal under ordinary circumstances, appears to have had an advance in asking prices during the week of about 5*l.* per ton. Caustic potash is quoted higher at 75*l.* to 80*l.* Cream of tartar is unchanged. Oxalic acid rules higher at 10½*d.* to 11*d.*, but there is now much change on tartaric or citric, the former remaining at 1*s.* 6*d.* and the latter at 2*s.* 6*d.* per lb. Green copperas very firm at 52*s.* 6*d.* to 55*s.* per ton. Sulphur is lower on the week; flowers are 10*l.* 10*s.*; roll, 10*l.*; rock, 8*l.* 15*s.* f.o.r. Coal-tar products are fairly steady at 12*l.* 17*s.* 6*d.* f.o.r. Manchester. Carbolic-acid crystals, 39° to 40°, are 1*s.* 2*d.* to 1*s.* 4*d.*; crude 60°, East and West Coast delivery, 3*s.* 2*d.* to 3*s.* 3*d.* Benzols—north, 50 per cent., 1*s.* 3½*d.* to 1*s.* 4½*d.* naked; 90 per-cent., prompt, 9½*d.* to 10*d.*

Continental Drug and Chemical Markets.

The following notes refer to the Hamburg and Berlin markets under date of February 23:

Agar-agar is firm at m.425 per 100 kilos.

Balsam Tolu is inquired for in very small quantities only, and is from m.6.50 to m.6.75 per kilo.

Cantharides are quiet, with arrivals of Russian by way of neutral countries. For prompt delivery from m.24 to m.25 per kilo. is asked.

Caraway-seed.—In consequence of active demand holders have advanced their prices to m.115 per 100 kilos.

Cascara Sagrada is firm and in good demand; m.150 per 100 kilos. has been paid, and the prices show an advancing tendency.

Cevadilla-seed.—Demand increases; fair black old crop is offered at m.150 per 100 kilos. Samples of new crop have arrived, showing poor quality.

Citric Acid is firm, and has been sold at from m.540 to m.550.

Condurango-bark is a little cheaper, at from m.77.50 to m.80 per 100 kilos.

Guaiacol-preps. are higher, as raw material has advanced. *Liquid guaiacol* has advanced by m.1.25 per kilo., and crystals by m.1.50; *Guaiacol carbonate* is m.2 and *Potassium sulphoguaiacolate* is m.1.50 dearer. *Creosote carbonate* has also advanced by m.1 per kilo.

Gum Arabic is quoted at from m.125 to m.130 for Kordofan, and from m.70 to m.75 per 100 kilos. for Gezireh sorts.

Irish Moss is in active demand, though the prices are high. First quality has been sold at from m.95 to m.105, and second quality at from m.80 to m.85 per 100 kilos.

Kola is firmer on account of increased demand. Quarters have been sold at m.130 and halves at m.115 per 100 kilos.

Menthol is firmer; with an increased demand, m.30 per kilo. has been paid.

Oils (Fixed) and Fats.—The demand for *Castor* has increased; first pressing has been sold at m.285 and second pressing at m.240; medicinal oil is quoted from m.305 to m.310.

Peppermint Oil.—*Japanese* is quiet at m.11.75 to m.12 per kilo. *American*, too, is quiet; H.G.H. is offered at m.16 per lb. and Wayne County at m.13 per lb.

Waxes.—Bees' is unchanged, but prices show a tendency to advance. *Candelilla* has been sold at m.320 in Hamburg.

Wormseed is higher; monopoly seed has been sold at m.400 per 100 kilos.

Paraguayan Petitgrain Oil.

The British Consul for Paraguay, in his annual report for 1913, states that Paraguay is said to produce about 70 per cent. of the world's output of petitgrain, the essential oil extracted from the leaves of the sour orange. The total exports in 1913 amounted to 32,351 kilos. (22,906 kilos. in 1912). Of the 1913 shipments, the following amounts were consigned: France, 10,614 kilos.; Argentina, 11,677 kilos.; Italy, 3,800; Austria-Hungary, 3,370 kilos.; Germany, 2,330 kilos. But it is believed that much of it is re-exported to other destinations. For example, the amount consigned to Argentina no doubt includes a total of 7,630 kilos., which is known to have been forwarded to the United States. The price paid in the country continues to fall. The sour orange was planted extensively in Paraguay more than half a century ago by the Dictator Lopez. It thrives exceedingly, and is now found growing wild in some abundance throughout the country. The oil is manufactured by a number of small distilleries, some of which are the property of their owners, while the majority belong to the chief exporters.

Tinnevelly Senna.

According to a letter received by our Calcutta correspondent from the Director-General of Commercial Intelligence, the reason for the prohibition of export of Tinnevelly senna is that the drug is regarded as falling under the term "Medical stores of every description," the export of which is prohibited under the notification of the Government of India dated October 17, 1914.

Chilian Iodine.

U.S. Commercial Attaché V. L. Havens, of Santiago, under date of January 8, writes to Washington as follows: "I have been advised that the production of iodine in Chile could be doubled at exceedingly small expense, but that an organisation controls the world's markets through contracts, and if the production of iodine should be increased by any nitrate-producer it would be at his own risk and loss. Some of the nitrate companies which produced too much last year are not allowed to sell any this year. If some new use could be found for iodine by an industry not associated with the organisation, it should be able to obtain a largo and cheap supply from Chile."

[Exports of iodine from Chile in 1913 amounted to 963,356 lb., valued at $1,874,071, of which Germany took 357,584 lb., valued at $695,619; the United Kingdom, 307,646 lb., valued at $598,489; the United States, 288,750 lb., valued at $562,723; and Belgium, 9,376 lb., valued at $18,240.]

American Drug-market.

New York, February 28.

A further improvement was noted in business during the month. Orders were received in an increased volume, and business was more active. There were no new developments in the opium situation, the market being dull, with prices falling. Materially higher prices were demanded for menthol.

Althæa-root.—Cut is firmer owing to increasing scarcity, and 38c. is now an inside figure.

Belladonna-leaves are firmer. Certain holders have advanced their prices to $1.25 and $1.30, while some dealers refuse to accept less than $1.50.

Belladonna-root is higher on increasing scarcity The market in some quarters is bare of supplies, and there is a apparently little obtainable at less than $1.25.

Buchu-leaves.—Stocks have diminished recently, and prices are quoted at $1.58 to $1.60, according to holder. Supplies available at the inside figure are small, and the tendency seems to be in the direction of still higher prices.

Cascara Sagrada is firmer at 8c. to 10c., according to age.

Ipecacuanha.—Cartagena continues to be firmly maintained at $1.95, owing to a decrease in stocks and shortage of supplies.

Menthol continues to rise, influenced by recent reports of an advancing market abroad, and also diminishing stocks here. Prices have been raised to $3.00. The tendency still seems to be upward.

Oil of Peppermint (American).—The market is firm owing to an increased demand. Prices continue to be maintained at $1.55.

Sarsaparilla.—Mexican has been revised downward to 12c.

Senega is firmer. Stocks have diminished recently, and 38c. is now the lowest quotation.

Mr. Chas. L. Huisking, of New York, in his report, dated March 4, states: "The uncertainty surrounding the market makes trading in some lines very difficult, and as present conditions have never been paralleled, a good deal of buying is being done on 'blind' judgment; in fact, we seo evidences every day where one inquiry for an article starts a buying movement from all quarters, and, on the other hand, a slight pressure to sell causes a general decline. This applies particularly to the chemical line, which is most sensitive just now, and those articles for which an export demand prevails go soaring from day to day. Actual orders for legitimate requirements of consumers can in most cases be placed at what might be termed reasonable prices as compared with the figures reported in the newspapers as covering sales in a speculative way. Quantities of goods are being offered from all sections of the country, and many holders thereof are disappointed that they are not able to obtain the prices they see reported; therefore, it is well for such holders to base their operations on prices at which they themselves can replace."

Bombay Poisons Act.—The Government of Bombay are considering the desirability of making alterations in the Poisons Act. The present Act is by no means perfect, and it is believed to be quite an easy matter to amend it.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

Enforcing the B.P.—At the last meeting of the Cape Medical Council a letter was read from the Pharmacy Board urging an extension of the time for the enforcement of the use of the new British Pharmacopœia to January 1, 1916, mainly on the ground of the disturbed state of the country, which has dislocated the businesses of chemists. It was pointed out further that a large proportion of medical men are on active military service, and would have no opportunity of acquainting themselves with the new book, with the result that confusion, and possibly danger, would result. Dr. Darley-Hartley moved that the Council affirm its previous resolution, recommending July 1, 1915. Every book on "materia medica" and therapeutics is being issued in new editions according to the new Pharmacopœia. Such books as Whitla, Squire, and the "Extra Pharmacopœia" are instances, some of which are already in the hands of the profession. The reading of the physicians is therefore already on the new lines, and, considering the sweeping alterations made in dosages and strengths, the results might be disastrous if the dispensing is for long to remain on different lines. Dr. Mitchell seconded. The President said that he had had an opportunity of becoming acquainted with the reasons actuating the chemists, and although they admitted that one of them is the difficulty of getting rid of existing stocks, they strongly urged the disturbed state of the country as making it probable that medical men would take a long time to become acquainted with the new Pharmacopœia. The motion was carried *nem. con.*

The New President.—As briefly reported in the *C. & D.*, March 13, p. 84, Mr. James Sloan has been appointed President of the Pharmaceutical Society of Cape Province. Mr. Sloan is a native of Lochwinnock, Renfrewshire, and after his schooling was apprenticed to the late Mr. Alexander McNeilage, chemist and druggist, Greenock, a pharmacist who had great love for his calling and was an excellent apprentice-master. On completion of his apprenticeship he became assistant to the late Mr. J. A. Bell, Greenock, and passed the Minor examination at Edinburgh in 1896. In the following year he went out to South Africa, and became assistant to Carman & Workman, chemists, Woodstock and Salt River, near Cape Town, with whom he remained for four years, when the firm was dissolved, and Mr. Sloan started business on his own account in the Albert Road, Woodstock, in which he has been successful. He has always taken a keen interest in the affairs of the Pharmaceutical Society of the Province, as well as in drug-trade matters generally. Shortly after his election as a member of the Council of the Society he was appointed Hon. Secretary, and here, as in other positions that he occupied, he worked ungrudgingly and well. His election as President is not only a recognition of his great services, but a tribute to his personal worth and an assurance that the affairs of the Society will progress under his guidance.

Mr. James Sloan.

Orange Free State.

Medical and Pharmacy Council.—The monthly meeting of the Council was held on February 12. The following members were present: Drs. Baumann, Friedmann, Johnson, and Pretorius, Mr. Whiteside (dental member), and Mr. S. S. Hewitt (pharmaceutical member). The following registration was confirmed: Isaac Roytowski (Chem. and Drug., O.F.S., 1914) as a chemist and druggist. Address: Brandfort. A letter from the Secretary to the Cape Pharmacy Board, suggesting that the date of the official recognition of the new edition of the British Pharmacopœia should be postponed until January 1, 1916, in view of the recent developments in South Africa, was received.

Back to Lister.

Sir Rickman John Godlee, Bart., F.R.C.S., discoursed at the Royal Institution on March 12, the title of the lecture being "Back to Lister." This title, he said, was suggested by Sir James Crichton Browne, who asked him (the lecturer) to give a discourse on antiseptic surgery of the present day. Lister's antiseptic method of surgery was founded on the discoveries of Pasteur, but at the end of his active career Lister had arrived at simpler and safer methods than those adopted at first. The lecturer then dealt in detail with the old views of fevers and putrefaction, and with Pasteur's work on the cause of fermentation. Tyndall's historic lectures in the Royal Institution in 1859 on dust in the air showed that "optically" pure air is incapable of setting up decomposition. The "germ-box" which Tyndall used in his lectures was exhibited. Lister deduced from the work of these scientists that his best course was to kill, by means of chemical antiseptics, the germs that cause putrefaction. He therefore sponged the whole of the surface of the wound with impure carbolic acid, and excluded the air by covering the wound with a plate of tin. The acid caused much sloughing, but when a purer acid was obtainable a 5-per-cent. solution in water was employed. At the same time elaborate devices were employed to deal with the germs in the air of the operating-room. The principal means was a steam spray of carbolic solution, but this was given up owing to its injurious effect on the operating surgeons. It was found that just as good effects were obtained without the spray. Metchnikoff's discovery of the functions of phagocytes was made about this time, and this confirmed the view that the air, as a source of infection, is comparatively innocuous. Scrupulous cleanliness was enjoined as regards the skin of the patient and the instruments and sponges, and thus grew up the practice of aseptic surgery as opposed to what is known as antiseptic surgery, although there is really no fundamental antagonism between the two. The procedure of the operating surgeon under the aseptic system was recounted, including the use of tincture of iodine as a skin-purifier and the employment of saline solution for washing away clots. Good results are obtained, but it is a difficult and troublesome process. Lister's operations at King's College were performed under much simpler conditions, chiefly by the use of carbolic acid (1 in 20) in mercury-perchloride solution (1 in 500) and carbolised sponges and towels. Stitch-abscesses are better avoided by Lister's method than by the aseptic method. In place of marine sponges, cotton-wool swabs are now used, but the use of rubber gloves and the boiling of instruments are continued. It is more easy to obtain the best results by Lister's technique. The bearing of the lecture on war surgery was then explained. Universal sepsis is reported, and although antiseptics are largely employed the results are disappointing, owing to the exceptional circumstances of the war. The lecturer said that he had been helping Sir Watson Cheyne in some research-work, and the result has been to return to the practice of Lister and apply to wounds direct pure carbolic acid. This has been adopted with the approval of all who have used it. The method has been criticised from the standpoint of the bacteriologist, but the arguments do not appeal to the practical surgeon, who has found the use of undiluted carbolic acid the most successful in the rough-and-tumble of war surgery. Some of Sir Watson Cheyne's experimental culture-plates showing the action of antiseptics were exhibited on the screen by means of the epidiascope. As an antiseptic for surgical dressings Lister's double cyanide of mercury and zinc is employed.

Care of the Feet.—A correspondent of "The Spectator," writing on the care of soldiers' feet, on the strength of thirty years' experience of mountain climbing and walking, condemns the practice of soaping the feet and socks. He recommends rubbing the feet with methylated spirit and smearing the feet and socks with a pure hard grease, such as anhydrous lanoline or hard tallow.

Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

A Twelfth-century Pharmacy.

Sir,—You have an amazing instinct for picking up any item of interest to pharmacy which appears anywhere, but somehow a description of a twelfth-century pharmacy, read by Dr. Dorveaux, of Paris, before the Historical Section of the Royat Society of Medicine, seems to have escaped your notice. Alexander Necham, born at St. Albans in 1157, afterwards joined the Augustinians, and became Abbot of Cirencester. He wrote many works, one of which was a treatise entitled "De nominibus utensilium." The interest of it lies in the number of names of drugs which it shows to have been in common use, as well as in the fact that the abbot has probably written the first directions on record for fitting a pharmacy. Describing a suitable place for storing drugs, he says:

"Specularia autem competenter sint disposita in domo orientales partes respicientia ubi scrinia (vel saccula) sive pyxides tortiles sub divo ponantur, in quibus storax calamita, non sigia nec corimbrum continentur, serapinum, ammoniacum, opoponacum, bdellium, euphorbium, sarcocolla, masticum, populeon, oleum laurinum, omfacileon, sambuceleon, castoreum, anetileon, et epithemata."

Which I suppose we might render:

"In the house the windows ought to be towards the east. There should be freely exposed to the air, fixed in an appropriate circle, a series of boxes and receptacles. These should contain reed storax, but not the liquid nor the woody residue, serapinum (*Ferula persica*), ammoniacum, opoponax, bdellium, euphorbium, sarcocolla (*Astragalus Sarcocolla*), mastic, ointment of populus-buds, oil of bay, oil of bitter olives, oil of elder-flowers, castoreum, oil of dill, and poultices."

I take it "scrinia" includes bottles and earthenware jars, and "pyxides tortiles" boxes of turned wood. It is suggested that the excellent abbot obtained his knowledge of pharmacy from the fact that he taught at the celebrated school of Petit Pons, which was the region of the apothecaries in Paris. Yours truly,

Dublin, February 27. J. C. McWalter.

Patent Medicines and Diminishing Profits.

Sir,—I am quite in agreement with "Mag. Sulph." But why do not chemists, etc., combine to sell "patents" at face-value only, and advertise this fact in their shops? If anyone comes to me and asks for a 10½*d.* box of a 13½*d.* "patent," I am "out of stock," and in most other cases I succeed in obtaining the full face-value. If the manufacturers of patents wants me to sell their wares, they should see that we get a reasonable profit on their preparations, and so-called "cutting prices" ought to be absolutely abolished. Let there be one price only: the advertised price. Yours faithfully,

Common Sense. (37/45.)

Sir,—I have read the letter by "Mag. Sulph." in to-day's issue of The Chemist and Druggist, and should like to point out to him, and any other pharmacists who are making the same mistake as he is, that the wholesale houses are not making any charge for the act of packing goods.

The extra charge they are now making is to meet the extra cost of packing-materials. For many years chemists have had their boxes and hay and straw given to them free, and I have frequently heard from individual members of the trade how much they appreciate this boon, as the boxes save them from buying firewood; and now that a charge of a few pence is made to cover the extra cost of materials caused by the war "Mag. Sulph." and those like him consider they are being robbed. No further comment is necessary. Yours faithfully,

March 13 WHOLESALER. (37/72.)

SIR,—I am delighted to see "Mag. Sulph.'s" letter in your issue of March 13. The circular-letter issued by one of our largest wholesale patent-medicine houses is certainly a disgrace; the poor retail chemist has surely enough to pay for his "patents" already, and now 1*d.* added to invoices up to 1*l.* in value, 2*d.* on 1*l.* to 2*l.*, 3*d.* on 2*l.* to 3*l.*, and 4*d.* on 3*l.* to 4*l.* is just a polite scheme to pay their, perhaps, slightly increased working expenses. The retail trade cannot all send 4*l.* orders every day, and may require small articles for some important customers, and now by this action they are to be mulct in an extra 7½ per cent. Yours faithfully,

M.P.S.I. (E40/48.)

Common Sense also writes, but does not send his name and address.

Pharmaceutical Council Election.

SIR,—As the Pharmaceutical Council election is drawing near, would it not be advantageous for the various candidates to state definite programmes of the reforms they advocate? Personally, I am inclined to think a question of the following description should be submitted to them:

Are you willing actively to support this proposal?—

That on and after January 1, 1919, all candidates who present themselves for the Minor examination will be required to submit a signed certificate as follows:

I, the undersigned, have served an apprenticeship of at least three years with a qualified chemist.

The term "qualified chemist" to include limited companies the whole of whose directors are qualified chemists.

If the Secretary of the Pharmaceutical Society (Mr. Woolcock) could, with the aid of the Council, bring about this much-needed reform, he would be entitled to the hearty thanks of the whole profession, and, incidentally, be well worth his present generous salary. Perhaps some of your readers might like to express their opinions on the above.

PROGRESS. (40/67.)

Cardiff Insurance Dispensing.

SIR,—In reply to the letter of "Welsh Panel Chemist" in last week's issue of the *C. & D.*, may I point out that your correspondent has been misinformed? Nor is he correct in saying that Cardiff has "given way" on the questions of "Aq. dest.," "Rep. mist.," and "Stock mixtures." In regard to his statement that "Cardiff chemists are now dispensing stock mixtures for a fee of one penny," this is untrue, as every chemist on the Cardiff panel knows. It is open to Cardiff chemists to refuse to dispense "Rep. mist." prescriptions, as stated in the Addenda to the Tariff for Cardiff, and this nuisance is now confined to two or three doctors, so that it causes very little trouble. We agreed to make no charge for "tap-water" (which all chemists will have to agree to in the near future), but we can refuse to dispense Insurance prescriptions after 8 P.M. unless marked "Urgent," in which case they carry a special fee of 4*d.*, which is at least a *quid pro quo.* In regard to his advice to the chemists of the country generally not to follow the lead of Cardiff, I may inform him that, owing to efforts of the Cardiff Pharmaceutical Committee, the cost of prescribing for the last six months of 1914 was nearly 50 per cent. less than the cost for the first six months, and for the month of January this year we were paid in full. Can "Welsh Panel Chemist" say the same for his area? If not, his Pharmaceutical Committee might do worse than follow the lead of Cardiff. May I suggest that in future, before making rash statements to the Press, it would be as well for "Welsh Panel Chemist" to ascertain the true facts of the case from the Secretary of the area concerned?

Yours faithfully,
S. B. EASON,
Secretary, Cardiff Pharmaceutical Committee.

Cardiff.

R.A.M.C. Men's Mental Margin.

SIR,—With reference to the letter from "M.P.S." (31/16) which appeared in your issue of March 13, it is quite evident that the R.A.M.C. dispenser in question was "pulling his leg." A man who would ask such a question would obviously not be capable of satisfactorily performing his work, and the military authorities are not so generous that they will pay a man for work which he cannot carry out. "Standing Orders, R.A.M.C.," which can be obtained from most military booksellers, gives full particulars of the R.A.M.C. dispensers' examination and the mode in which it is conducted. In a good many cases a R.A.M.C. dispenser, when he leaves the Service, obtains a situation at one of the big institutions, and invariably gives satisfaction. I can only conclude that the dispenser who put the question to "M.P.S." was, like most Tommies, a natural humorist, and found a good subject on whom to exercise his wit.

Yours truly,
STAFF-SERGT. R.A.M.C. AND CIVIL DISPENSER. (37/69.)

Military Service by Civil Hospital Dispensers.

SIR,—At the present time throughout England there are many military hospitals being run by the medical and nursing staffs of the nearest civil hospital, and the dispensing, etc., is undertaken by the dispenser in charge of the latter hospital. To quote my own case. A military hospital of 120 beds has been opened near to the local general hospital where I am dispenser, and the whole of the dispensing, charge of surgical dressings, etc., and accounts in connection with same, are in my entire charge. This has practically doubled my work and greatly increased the number of working hours. No extra remuneration is attached to the post, and I, in common with many other pharmacists, do not expect payment. My object in writing this, however, is to try and interest my fellow hospital pharmacists who are acting in a like capacity, with the idea of calling a meeting, if possible, and laying our claim to recognition before the authorities. In my case I asked permission to be allowed to enlist in the R.A.M.C., but was informed that as this hospital would be in charge of 120 wounded I should be doing my duty by remaining here. It is very galling, however, for strong, healthy young fellows to walk about in civilian dress, and be the recipients of sarcastic remarks and pitying glances from the general public. I believe, if we combined, especially if the help of a certain member of Parliament, who is a chemist, were obtained, we should get recognition and the rank (even if only honorary) of sergeant R.A.M.C., without pay. Personally, I would willingly continue to give my services free and buy my own uniform, if allowed to. It is the honour of wearing khaki and the knowledge that one's services are recognised that we want. In any case, perhaps you will kindly throw open your correspondence pages to air the views of other hospital pharmacists.

KHAKI. (40/53.)

Subscribers' Symposium.

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"P.O. also enclosed for 10*s.* for *C. & D.* for another year. It is more than worth it; in our experience we have found it a veritable money maker and saver combined."—(273/17.)

A War-Prices Question.

"Can you inform me to whose wisdom and foresight we are indebted that phenacetin and aceto-salicylic-acid tablets were left in the Tariff at 3*d.* per dozen, the latter before the war costing 3*s.* 3*d.* per 1,000 and now 15*s.*?"—*W. H. Dunford* (Bristol).

Discounting Causes.

A Glamorgan Chemist (37/4) writes: "I carried out a scrutiny of Insurance prescriptions dispensed by me during February 1914, and was struck with the large and increasing quantities of dressings ordered. I give for comparison the results in the cases of two doctors, whose colliery practices are of about equal extent: Dr. C.: Of 247 prescriptions, 41 included orders for dressings—viz., boric lint, 4 lb. 1 oz.; plain lint, 12 oz.; cotton-wool, 2 lb. 6 oz.; 243 bandages (33 1-in., 96 2-in., 24 2½-in., and 90 3-in.). Dr. D.: Of 205 prescriptions, 21 included orders for dressings—viz., boric lint, 4 oz.; plain lint, 1½ lb.; cotton-wool, 2 oz.; 46 bandages (12 1-in., 15 2-in., 18 3-in., and 1 4-in.)."

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

Guaiacol-carbonate Pills.

Salicin (15/48) wants to know how to make three dozen small pills of guaiacol carbonate containing 2 grains each [Triturate the guaiacol carbonate with 3 grains of powdered tragacanth and mass with 26 grains of syrup of glucose. This gives a pill under 3 grains in weight which does not become hard quickly.]

R. S. T. (5/66).—The effervescence in the mixture is due to borax reacting with the glycerin, liberating boric acid, which then reacts with sodium bicarbonate, liberating carbonic-acid gas. See the "Art of Dispensing," p. 344.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

Orlando (251/73).—Snuff-perfumes are a regular article with certain wholesale drug-houses, and if you want any specimen matched your best plan is to send a sample to your wholesale house. The tonka-bean is one of the oldest of snuff-perfumes, but the constituents vary. The following is a useful mixture:

Coumarin	ʒss.
Otto of rose	♏j.
Oil of bergamot	ʒj.

W. A. P. (1/37).—The use of Yeast in Diabetes is referred to in "The Medical Annual," 1899, in the following terms: "Yeast has been recommended in the treatment of diabetes by various writers. In one case reported by Combal the yeast was given in doses of a tablespoonful three times a day, and under this treatment, without any dietetic restrictions, the sugar fell to about a quarter of what it had been. According to Beylor, it acts by destroying the sugar in the intestine, but cannot operate upon any form of sugar after it leaves the intestine. This action is favoured by the hydrochloric acid in the gastric juice." In the 1902 volume an article by Nobecourt is referred to. He says: "Experiments upon animals have shown that a quantity of glucose, which would produce alimentary glycosuria, ceases to do so if a small quantity of yeast is administered at the same time. It may, therefore, be possible by the administration of yeast to permit diabetic patients to take a larger quantity of carbohydrate food. There does not appear to be any risk of unpleasant consequences when given in ordinary therapeutic doses, such as a tablespoonful after each meal." In the "Extra Pharmacopœia" it is stated that yeast, in both the fresh and dried forms, is considered to be a good remedy for diabetes, enabling patients to take more carbohydrates, but there are no references to very recent literature on the subject. There has lately been a large demand for yeast in tablet-form, and we understand that tablets are used in the diabetic treatment.

D. McK. (16/58).—Hair-stimulant.—In cases where the hair of young girls has a tendency to turn grey hæmoglobin capsules should be given internally, and a *resorcin-and-quinine hair-lotion* applied to the hair. The lotion is made as follows:

Quinine	gr. xxx.
Resorcin	ʒiv.
Tincture of jaborandi	ʒij.
Tincture of cantharides	ʒss.
Spirit	ʒiv.
Bay rum	ʒxvj.
Rose-water	ʒix.

Mix.

J. S. (231/38).—Motor-lubricants.—The basis of modern lubricants is soft paraffin, the stiffening ingredient being generally a lime-soap. The colouring is often natural, but a golden-yellow, as your sample, could be obtained by palm oil. Crude lanoline—the by-product of the wool-washing factories—is often used as an ingredient of motor-lubricants. These lubricants are now made on a very large scale, and it is exceedingly difficult to match exactly any given sample.

C. R. W. (23/37).—Camphor-julep is the old name for camphor-water. When in difficulty in regard to such terms as this your best plan is to refer to our "Chemist's Dictionary of Synonyms" (2*s.* 6*d.*, by post 2*s.* 9*d.*).

M.P.S.I. (22/14).—Blood-mixture, P.F. 10, is as follows:

Potass. bicarb.	ʒij.
Dec. sarsæ co. conc.	℥ss.
Mist. sennæ co.	ʒss.
Æther. chlor.	ʒj.
Inf. gent. conc.	ʒss.
Aquam ad	℥viij.

Misce.

F. M. (19/3).—Hexamine in Veterinary Therapeutics.—Hexamine in doses of ʒj.-ʒij. would probably be of benefit in the case where a one-year-old bull calf has no control over its urine. If this fails, belladonna, in the form of tincture or extract, should be administered and the loins should be fomented or poulticed with warm salt or bran. Mucilaginous foods and alkalies should also be given. The cause of the lack of power to retain the urine is thought to be want of tonicity in the walls of the bladder.

Aspirin (248/27).—The small proprietary article to which you refer should be worth about a year's net profit, and we reckon that that would be about a five-pound note.

G. B. C. (14/39).—You are not compelled to supply 4 oz. of the liniment. We simply advise you to sell the customer an original 3-oz. bottle of it and charge him the regular retail price. He knows what the prescription is.

M. W. T. (32/21).—(1) Liqueur Pearson in the Belgian prescription is *Liquor Sodii Arsenatis* (*Pearson*). In the "National Formulary" the formula given for it is as follows:

	Metric	Apothecaries
Sodium arsenate, in perfect crystals ...	1 gm.	14½ grains
Distilled water	600 c.c.	19 fl. oz.

Dissolve the sodium arsenate in the distilled water, and filter if necessary.

This solution contains about $\frac{1}{10}$ per cent. of anhydrous (or $\frac{1}{6}$ per cent. of the official crystallised) sodium arsenate.

Average dose : 0.2 c.c. (3 minims).

(2) Gay's modification of the original formula for Sirup Iodo-tannique is, on the whole, the best, and is as follows:

Iodine	gr. xij.
Rectified spirit	ʒss.
Tannin	gr. xij
Syrup to	Oj.

Dissolve the iodine in the spirit by trituration, add the tannin and the syrup. Heat the mixture to boiling (until it ceases to colour starch mucilage), then filter.

G. B. (32/67).—(*a*) An eczema-ointment containing ung. hydrarg. ammon. and liq. picis carb. will not be much improved by adding lead-plaster to it. Ointment-tins will not affect either ointment materially. (*b*) You should not change the composition of your antiseptic ointment. It is sufficiently protective for ordinary abrasions and wounds, and that is the main thing, bearing in mind that the ideal antiseptic is washed in conditions where antiseptic precautions do not prevail. (*c*) We object to children getting cough-mixtures containing chloroform. You will find plenty safe formulæ to select from in "Pharmaceutical Formulas."

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1865.

Parliamentary Intelligence.

Bill of the Pharmaceutical Council.

In the House of Commons last Thursday, Sir Fitzroy Kelly gave notice that on the 16th inst. (to-morrow) he should move for leave to bring in a Bill to regulate the qualifications of chemists and druggists.

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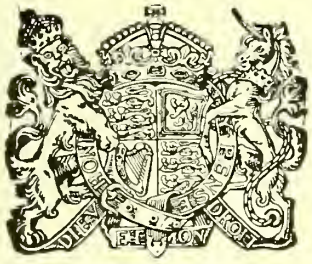

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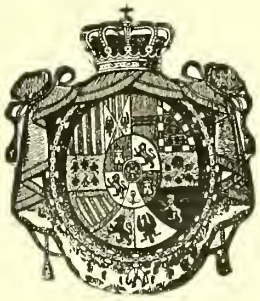

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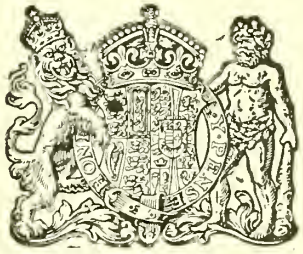

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Swiss National Exhibition, Berne, 1914, Gold Medal.

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For Hypodermic Injection.

The New Remedy in Amœbic Disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405–408.

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The Luetin Reaction For the Diagnosis of Syphilis

Luetin is an extract of the killed cultures of several strains of the Treponema pallidum (Spirocheta pallida), the causative agent of syphilis. The killing of the spirochetes for this purpose is effected by heating to 60° C.; 0.5 per cent trikresol is added as a preservative. The preparation is carefully tested to insure sterility, and is then placed in sterile ampuls or capillary syringes.

How the Test is Made.—Select a site on the skin of the arm, cleanse and sterilize, and inject the Luetin into the skin as superficially as possible. The injection should be made **between the layers** of the skin and not **under the skin.** If properly done a small pale swelling is produced, which subsides in from 10 to 15 minutes.

Dosage.—The amount of Luetin to be injected for one test is 0.07 c.c. Luetin is supplied in Mulford intradermic syringes (single tests) and in hospital size packages in ampuls containing sufficient for 50 tests.

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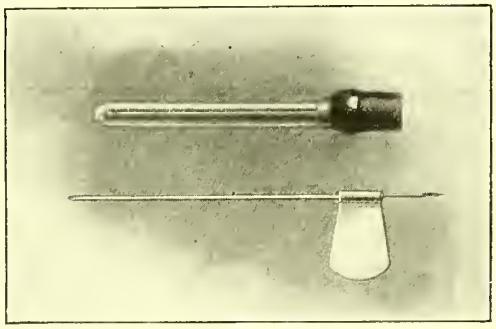

The Mulford Intradermic Syringe

The Luetin is contained in the sealed capillary tube and thus protected from contamination. The needle is especially designed for intradermic injection. The longer end acts as a plunger when inserted through the rubber cap, expelling the Luetin from the tube through the needle and between the layers of the skin.

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RETAIL PRICES...	7½d. each.	1/- each.	1/9 each.
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Fol. Sennæ Tinnev., 1 cwt. at 5½d. lb.; 7 lbs. @ 6d. lb.; English Ground, 56 lbs. @ 8½d. lb.; 7 lbs. @ 9d. lb.
Formaldehyde, 40%, 4 cwt. barrels @ 61/- cwt.; 132 lb. carboys @ 63/6; 7 lbs. @ 10d lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 5/- cwt.; 1 cwt. @ 6/- cwt.

Gallæ Cærul. Pulv., 7 lbs. @ 1/- lb.
Gamboge, English Ground, 7 lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.
Ginger, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs @ 7d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 1 cwt. @ 106/- cwt.; 56 lbs. @ 108/- cwt.; 12 lbs. @ 1/2 lb.
*Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
* ,, Acid. Carbolic. P.B., 6 lbs. @ 1/6 lb.
* ,, Acid. Tannic, P.B., 6 lbs. @ 2/2 lb.
,, Belladon. B.P.C., 6 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/3 lb.
* ,, Pepsin. Acid, P.B., 1 lb. @ 3/6 lb.
* ,, Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.
Guaiacol Carb., 7 lbs. @ 9/9 lb.; 1 lb. @ 10/- lb.
Guaiacol, pure, 1 lb. @ 9/6 lb.
Gum Acaciæ, sorts, 3 cwt. @ 45/- cwt.; 1 cwt. @ 49/- cwt.; 7 lbs. @ 7½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 110/-; 7 lbs. @ 1/2½d. lb.; No. 2, 1 cwt. @ 85/-; 7 lbs. @ 10½d. lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/5 lb.; 7 lbs. @ 1/8 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8½d. lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 2½ cwt. @ 34/- cwt.; 28 lbs. @ 42/3 cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 7/10 lb.; 1 lb. @ 8/3 lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/1 lb.; Heliotropine, 1 lb. @ 11/- lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 35/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 4/- lb.; 1 lb. @ 4/4 lb.
Honey, Pale Set, Jamaica, 3½ cwt. @ 37/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½d. lb.
Hydrargyum, P.B., 10 lbs. @ 3/11 lb.; 1 lb. @ 4/2 lb.; Ammon., 28 lbs. @ 5/- lb.; c. Creta, 28 lbs. @ 1/7 lb.; Iodid. Rub. 28 lbs. @ 13/- lb.; Oxid. Rub., 28 lbs. @ 5/- lb.; Perchlor., Lump, 28 lbs. @ 4/3 lb.; Subchlor., 28 lbs @ 4/9 lb.; Sulph. c. Sulph., 28 lbs. @ 4/4 lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 10/o lb.

Ichthyol Ammon. chemical equivalent Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb
* ,, Buchu Conc. 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/1 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Insect Powder, Opt., English Grd., closed flowers, 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/7 lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
Iodoform Pulv. B.P., 1 lb. @ 19/6 lb.
Iodum resub. B.P., 7 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/6 lb; sifted, 3d. per lb. extra.

Lapis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 and 2-oz. Sticks, 1 cwt. @ 82/6 cwt.; 28 lbs. @ 9½d. lb.; 7 lbs. @ 10½d. lb.
*Lin. Aconiti Meth, 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
* ,, Bellad. Meth., 5 lbs. @ 3/3 lb.; 1 lb. @ 3/6 lb.
,, Camph. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @ [1/1 lb.
,, Sapo Meth., 9 lbs. @ 7d. lb.
,, Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 19/- cwt.; 1 cwt. @ 20/- cwt.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
* ,, Ammon. Aromat., 6 lbs. @ 9d. lb.
* ,, Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Bismuth, P.B., 6 lbs. @ 1/3 lb.
* ,, Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
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* ,, Ferri Iod. p.s., 1-7, 1 lb. @ 7/10 lb.
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* ,, Iodi Fort, B.P., 5 lbs. @ 6/- lb.
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* ,, Opii Sed., 5 lbs. @ 4/6 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 3½d. lb.
* ,, Pruni Virg. p.s. 1-7, 5 lbs. @ 2/6 lb.
* ,, Rhœados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.
* ,, Rhei, p.s., 1-7, 6 lbs. @ 2/2 lb.
* ,, Santali Co., 1 lb. @ 4/- lb.
* ,, Sennæ Dulc. 6 lbs. @ 1/4 lb.
* ,, Sennæ pro Syr. 1-7, 6 lbs. @ 1/8 lb.
* ,, Strychninæ Hyd. P.B., 6 lbs. @ 1/6 lb.
* ,, Tolut. pro Syr. 1-7, 6 lbs. @ 1/8 lb.
* ,, Trinitrini, B.P., 1 lb. @ 6/1 lb.
Lithia Carb. P.B., 28 lbs. @ 4/11 lb.; 7 lbs. @ 5/1 lb.; 1 lb. @ 5/4 lb.
,, Citras, B.P., 28 lbs. @ 4/11 lb.; 7 lbs. @ 5/1 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 5/4 lb.

Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 56 lbs. @ 6½d. lb; 7 lbs. @ 7½d. lb.
Mag. Carb. Levis., 1 cwt. @ 33/6; 7 lbs. @ 4½d. lb.
Mag. Cit. Gran., 28 lbs. @ 11d. lb.; 6 lbs. @ 1/0½ lb.
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 9/6 cwt.
Manna, Good Flake, 14 lbs. @ 4/10 lb.; 7 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.
Menthol, dry white cryst., 60 lbs. @ 11/6 lb.; 5 lbs. @ 12/6 lb.
*Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb.; 6 lbs. @ 7½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 13/10 oz.; 16 oz. @ 14/1 oz.; 8 oz. @ 14/2 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart, 1 oz. @ 18/3 oz.
Morphinæ Diacetyl., 4 oz. @ 19/9 oz.; 1 oz. @ 20/- oz.; Hydrochlor., 6d. per oz. less.
Myrrh, Gum, English Ground, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.

Naphthalene Candles or Balls, 1 cwt. @ 20/- cwt.; 56 lbs. @ 22/6 cwt.; 28 lbs. @ 24/6 cwt.
Nux Areca, 1 cwt. @ 35/- cwt.; 7 lbs. @ 5d. lb.; powder, English ground, @ 59/- cwt.; 7 lbs. @ 7½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/11½ lb.
Ol. Anethi Ang. B.P., 1 lb. @ 15/6 lb.
Ol. Anisi, E.I., 66 lbs. @ 4/6 lb.; 16⅔ lbs. @ 4/11 lb.; 4½ lbs. @ 5/4 lb.; 1 lb. @ 6/- lb.
Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 9 lbs. @ 10/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 3/6 lb.
Ol. Camphor. Essent., White, 80 lbs. @ 80/- cwt.; 40 lbs. @ 85/- cwt.; Brown, 40 lbs. @ 1 20/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/8 lb.; 4½ lbs. @ 4/10 lb.
Ol. Cassiæ, 16 lbs. @ 3/6 lb.; 6 lbs. @ 3/11 lb.
Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.
Ol. Citronellæ, 9 lbs. @ 2/3 lb.
Ol. Coco. Nucis, finest White, 80 lbs. @ 69/- cwt.; 40 lbs. @ 70/- cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Bacc., B.P., Ligne Exot., 9 lbs. @ 1/10 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. at 34/6 lb.; Hotchkiss original bots., 21 oz. each @ 14/- lb.; 6 bots. @ 13/6 lb.; 18 bots. @ 13/- lb.; American, 20 lbs. @ 8/3 lb.; 4½ lbs. @ 8/11 lb.; 1 lb. @ 9/6 lb.; Japanese, 60 lbs. @ 3/11 lb.; 5 lbs. @ 4/4 lb.
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Ol. Myristicæ, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
Ol. Nucis Pallid., 45 galls. @ 4/3 gall.; 2 gall. tins @ 5/6 gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/5 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/3 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/6 lb.
Ol. Pulegii B.P., 5 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 58/6 cwt.; 9 lbs. @ 7¾d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol Santal. Flav. Ang. B.P., 5 lbs. @ 23/6 lb.; 1 lb. @ 24/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 1/9 lb.; 7 lbs. @ 1/10 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 7/9 lb.; 1 lb. @ 8/- lb.
Opium Turc. B.P., 14 lbs. @ 29/- lb.; 3 lbs. @ 29/6 lb.; 1 lb. @ 30/- lb.; powder, 6d. lb. extra.

***Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.**

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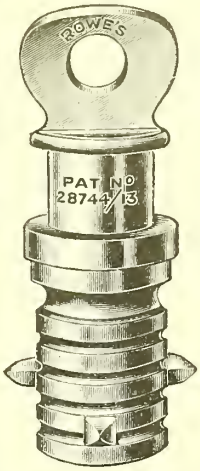
ROWE'S

Patent Hot Water Bottle Stoppers.

Patent No. 28744/13.



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Obtainable through every wholesale house in Great Britain and Ireland.

ADVANTAGES :—

Stopper Sockets can never become loose. Bottles cannot leak around the stopper. No unsightly wiring-on of stopper. Stopper Socket firmly embedded and anchored in the neck of hot water bottle. Stoppers fitted right down at the bottom of the funnel. No scalding water left in funnel after filling.

NO EXTRA COST. NO MORE LEAKY BOTTLES.

Sample Stopper Socket sent Post Free.

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NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-

Free sample sent on application.

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The "Milner" STRAW HAT CLEANER

7th Season. 2D.

It is easily used and gives complete satisfaction.
3 doz. with Hat - 4/- net.
6 " " " - 7/- "
12 " " " - 13/- "
Carriage Paid.
2 gross, 2½% 5 gross, 5%
10 gross, 7½%
13 to doz. for cash with order.

Milner's Chemical Co.,
ROBSON ST., LIVERPOOL.

CHEMISTS
PLEASE NOTE.
NO EXTRA STOCK.
NO RESPONSIBILITY.
NO TROUBLE.
HANDSOME PROFIT.

Why not add to your income without trouble and without extra stock? There must be many among your customers who, known to you, wear an **ARTIFICIAL LIMB** or other **APPLIANCE.** Advise them to come to us. We are makers of the highest class of Limbs and Appliances, and no time or effort is spared to make each case a success. Simply send us a card to say that you have mentioned our name to Mr. or Mrs. ———, of ———, or send their name and address, and we will forward them a catalogue. In either case, should business result, we credit you with a substantial commission from 10 to 25% according to the nature of instrument supplied, and a cheque is sent on the 1st of the month following. We should be pleased to supply you with catalogues, in English, French, or German, for distribution, and give any information you may require.

J. & E. FERRIS, 33 MUSEUM STREET, NEW OXFORD STREET, LONDON, W.C.

BEATSON, CLARK & CO., LTD.

ESTABLISHED 1751.

MEDICAL GLASS MANUFACTURERS,

HIGH-CLASS DISPENSING BOTTLES.
LABELLED SHOP ROUNDS. GRAD. MEASURES.
POCKET SPITTING FLASKS. URINALS, &c.

ROTHERHAM, YORKS.

"RECORD" SYRINGES

These well-known Syringes, hitherto made exclusively in Germany, are now manufactured by us. We have succeeded in manufacturing a "Record" Syringe fully equal in every respect to the best made German Syringe.
Delivery commenced on January 20, but as the demand at the outset greatly exceeded supply, orders will be executed strictly in rotation.

WARNING.

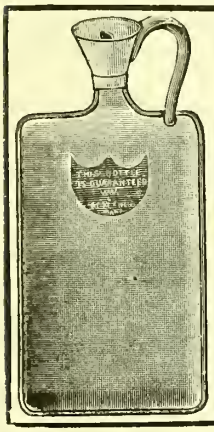
Attempts are being made to sell German made "Record" Syringes from Switzerland and America. We warn the Trade that importing German Goods via neutral countries is Trading with the Enemy, and renders buyers liable to prosecution.
All our "Record" Syringes are stamped "Made in England," and case is marked "C.S."

GRAY & SELBY,

MANUFACTURERS OF HOSPITAL FURNITURE, OPERATING TABLES, CABINETS, WARD LOCKERS, ARMY PATTERN AND OTHER STRETCHERS, THOMAS'S SPLINTS, LEG INSTRUMENTS, ARTIFICIAL ARMS AND LEGS, TRUSSES, BELTS. Made throughout in our own Works.
ESTABLISHED OVER 100 YEARS.

NOTTINGHAM (PELHAM STREET) & MANSFIELD

London Agents, Showroom & Office · W. Turner & Co., 30 Craven St., Charing Cross, London, W.
Telegrams: "Gray Selby, Nottingham"; "Advuloid, Westrand, London." Cables: "Advuloid London."
Telephones ... ... Nottingham 1973. London: Gerrard 2221.



Vincent Wood's

GOLD MEDAL
BRITISH MADE
HOT-WATER BOTTLES.
QUALITY GUARANTEED.

Also Special New
LAMB'S-WOOL AND PLUSH COVERS AND BAGS, LUNG PROTECTORS, WINTER BODY BELTS, TRUSSES, &c.

SEND FOR LIST, &c.
4 Albion Place, Blackfriars Bridge, London, S.E.

JUST WHAT YOU WANT!!!

GLASS BOTTLES
AT THE RIGHT PRICE.

We make Vials, Poisons, all shapes and colours.
Special Ammonia Bottles to meet the requirements of the Act.
Winchesters, plain and stoppered.
Mineral Water Bottles, all kinds.

Perfumery Bottles, all shapes and sizes.

BOTTLE EXPERTS, any special shape or colour made by our up-to-date Patent Gas Furnaces and Machinery.

Before placing your orders elsewhere ask your Merchant to consult or write to
ORROCKS LTD., *Glass Bottle Works,* CREEKSMOUTH, BARKING, ESSEX.
Established nearly a Century.

A Minimum profit of 20%

Hardcastle's Preparations have now been registered on the P.A.T.A., and as an extensive advertising campaign has just commenced for their well-known Ointment, Hardcastle's Balm of Gilead, it would be wise to order a small supply immediately.

HARDCASTLE'S
BALM of GILEAD
—a sovereign balm for every wound—

The above Trade Mark is the symbol of quality and efficacy, and is displayed on every package of the genuine Hardcastle's Balm of Gilead.

has been registered to be retailed at 7½d., 1/-, and 2/6 (minimum), the wholesale prices being 6/-, 10/- and 25/- per dozen respectively. Orders supplied either direct or through your wholesaler, irrespective of quantity. Write for terms regarding window displays.

W. HARDCASTLE & SONS,
2 Finkle Street, Stockton-on-Tees.

Hardcastle's Balm of Gilead has an enviable reputation for the cure of cuts, wounds, and all skin complaints, having been manufactured by the Proprietors for over a century.

WYLEYS LIMITED

Manufacturing & Analytical Chemists,
WHOLESALE & EXPORT DRUGGISTS, COVENTRY.

MALT AND MARROW.

A COMBINATION OF RED BONE MARROW AND FLUID EXTRACT OF ENGLISH MALT WITH GLYCEROPHOSPHATES. A VALUABLE NUTRITIVE AND DIGESTIVE TONIC.
Packed in 12 oz. round-edged amber bottles ... **24/-** per doz.

"VITANO."

"VITANO" is the name of a meat, malt, and port wine, originally put on the market at the suggestion of a well-known physician, who required a guaranteed article of definite quality and composition.
Prepared from choice, selected, matured wine, in combination with extract of meat and extract of malt, "Vitano" indicates a preparation of extreme usefulness in all cases of debility and want of general tone.
Dose: A small wineglassful three times a day.
"Vitano," in reputed pints ... doz. **12/-** "Vitano," in reputed quarts ... **24/-**

PETROLEUM CONSERVE (Raspberry Flavour).

A preparation of specially purified petroleum, which is now widely used as a laxative. This preparation acts purely mechanically as a laxative and soothing lubricating agent. It is absolutely harmless and may be taken freely by all, including delicate children.
4 oz. Screw Cap Vases ... **6/-** per doz.

COD LIVER OIL EMULSION.

In white bottles, new series, without cartons. 3 oz., **4/6**; 6 oz., **7/6**; 12 oz., **12/3**; 24 oz., **22/6** per doz.
"Lifebuoy" Brand, blue and gold labels.
"Three Spires" Brand, red and gold labels.
"Fish" Brand, green and gold labels; also chocolate and gold labels.
Three dozen, name and address free.

EXTRACT OF MALT WITH COD LIVER OIL.

6 fl. oz., **5/6** per doz. Cartons, three varieties: 9 fl. oz., **7/6**; 12 fl. oz., **9/6**; 18 fl. oz., **12/6**; 24 fl. oz., **15/-** per doz.
In white earthenware pots: 1 lb. size, **9/-**; 2 lb. size, **15/-** per doz.
In screw-cap amber glass jars, patent stoppers. Round, square and oval. ½ lb., **5/6**; 1 lb., **8/-**; 2 lb., **14/-**; 4 lb., **25/-** per doz.
Also put up in 1 lb. oval amber Wood's jars, 1 lb., **9/-** doz.; 2 lb., **15/-**

PHOTOGRAPHIC SPECIALITIES.

"Photopel" was the first Compound Photographic Pellet put on the market, and was originally produced by ourselves, under Patent 8085 in 1889

"PHOTOPEL"
(REGISTERED)

A Developing Photographic Pellet.

The object of "Photopel" is to minimise the trouble of preparing developing solutions for photographic use, and to combine in a portable and permanent form the necessary materials for producing negatives or more finished pictures as opals, transparencies, etc. "Photopel" is alike adapted for Negatives, Opals, and Lantern Slides.
Prices.—Bottles containing 24 Pellets of "Photopel" (sufficient for 24 ½-plates or 48 ¼-plates), **8/-** per doz. net.

PACKET DEVELOPERS ("Photopel" Brand).

PYRO-SODA. METOL-QUINOL. GASLIGHT PAPER. HYDROKINONE. Each packet makes 10 oz. of solution.
Prices.—Per gross, **15/-** net.
COMBINED GOLD TONING AND FIXING BATH. GOLD TONING BATH.
Prices.—Per gross, **18/-** net.
These are put up in boxes of one dozen each. Each powder is well wrapped in waxed paper, and will keep without deterioration for any length of time. Name and address on six dozen.

Warehouses, Laboratories & Drug Mills, Coventry.

London Depot: 2 BATH STREET, CITY ROAD, E.C.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MARCH 20, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SYDENHAM. — Good middle-class Business for Disposal through ill-health; returns between £900 and £950; *net profit* £276; excellent residence; to effect a speedy transfer the first reasonable offer will be accepted.

2.—LONDON, S.W.—Good-class Retail and Dispensing Business, situate in the centre of high-class residential locality; returns between £1,400 and £1,500; good opportunity for a pushing man; terms, lease and goodwill £200, stock and fixtures at a fair valuation.

3.—LONDON, S.W. (Attractive Locality).—Retail and Dispensing, with good connection with Medical men; returns £1,200; *net profit one-fourth*; stock and fixtures estimated at £650; price, to include goodwill and lease, £800.

4.—LONDON, N.E.—To be sacrificed for £300 net an excellent Business with a turnover of £847, and *profits above the average of Retail trade*; comfortable residence; held on lease; ill-health cause of sale.

5.—CHELSEA (Near).—Ready-money Business, situate in main thoroughfare; returns average £1,000, with *net profit* £300; price £750, less than valuation of stock and fixtures.

6.—LONDON, S.E. (Good Residential Locality).—Neglected Business, Retail and Dispensing; now doing £600, and capable of considerable increase; well-appointed shop and roomy house; price £480.

7.—LONDON, S.E. (Main Business Part).—Established Business: returns under unqualified management about £750; by adding N.H.I. Dispensing the turnover might be largely augmented; price £275; to a suitable man part payment would be entertained.

8.—SURREY.—High-class Dispensing and Retail; situate in a charming district; returns, present rate, about £1,600, at fair prices; modern-fitted shop; excellent position; no immediate opposition; terms, valuation of stock and fixtures and small sum for goodwill.

9.—MAIN LINE OF RAIL (Within 75 Miles of London).—Very old-established Business; present hands since 1840; returns £2,000; *net profit about* £600; terms, goodwill £300, stock and fixtures at valuation; premises may be purchased if desired.

10.—PARTNERSHIP.—A Partner required in a very old-established Business; terms, premium for half-share £200, plus valuation of stock and fixtures.

11.—NORFOLK (Death Vacancy).—Unopposed Mixed Country Retail Business; late owner held it upwards of 40 years; capital opening for young, energetic man with small capital at command.

12.—SOUTH OF ENGLAND.—Retail and Dispensing Business; established many years; returns, present rate, £850; *net profit* £253; well-fitted shop, good-sized house.

13.—UNOPPOSED BUSINESS, Family Retail and Dispensing; long established; well-fitted shop and ample stock; *net income* £300; good house; an opportunity seldom met with.

14.—SOUTH COAST (Near the Solent).—Retail Dispensing and Photographic; returns £700; *net profit* £200; shop situate near station; no near opposition; price £450, about the value of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£780 returns.—SEASIDE, HANTS.—Good-sized double-fronted Shop; nice-class Retail; at valuation of stock and fixtures, about £400.

£400 returns.—LANC.—Branch, General Light Retail; fine opening for Dental or Optics; price £180; easy terms.

£1,300 returns.—YORKS.—High-class Suburban Light Retail and Dispensing, with good house, yard, garden, etc.; price £900.

£540 returns.—LONDON, W.—Fine well-fitted double-fronted Shop in desirable locality for sale for family reasons; plenty of scope for Photo, Optics, etc.; at valuation, about £350.

£1,200 returns.—WALES.—General profitable Retail in colliery district; can be much increased by personal attention; net profit about £400; price £700.

£430 returns.—SHEFFIELD.—Light Retail; no N.H.I.; plenty of scope for this; appointment brings in £60 per annum; valuation, about £300.

£450 returns.—LIVERPOOL.—Branch; thickly populated district; suitable man could do £20 per week; price £170.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by— BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W. Tel. No. Victoria 27.

Invites inquiries for full particulars of the following, that are well worth immediate attention:

NORTH COAST OF SOMERSET.—Returns over £2,000; good shop; large house; capital required about £1,000; town rapidly increasing; good tourist district.

LARGE town, Carmarthenshire; returns £2,300; net profits over £400; plenty of scope; no side-lines; capital required £1,000; leaving to enter medical profession.

CENTRE of Manufacturing town, Glamorganshire; profitable Family and Dispensing; returns £1,500; net profits £400; price under £1,000; good proportion can be made; owner retiring.

OCULAR; increasing; East Coast Resort; best position; death vacancy; modern shop; good house; business undeveloped; capital required £500.

Valuation at moderate prices; assistance and advice offered in every branch of the business. Inquiries promptly considered and replied to.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BERDOE & FISH,

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—BUCKS.—Good Light Retail, Dispensing, and Prescribing Business, in pleasant market town; returns nearly £1,300; net profit £400; assistant kept; large house and garden; price £800.

2.—KENT COAST.—Good-class Retail, Dispensing, and Prescribing Business, in excellent position; returns £1,200; low rent; good house and Pharmacy, well stocked; price £550.

3.—CHESHIRE.—Light Family Retail and Dispensing Business, pleasantly situated; returns £1,000; net profit £300; good residence; handsomely fitted and well stocked; price £750.

4.—ESSEX (Popular Health Resort).—High-class Family Retail and Dispensing; returns average £16 weekly; good profits; plenty of scope; modern house and pharmacy; price £625, or offer.

5.—DEVON COAST.—Good-class Retail and Dispensing Business; returns approach £800, increasing; good position; large modern-fitted pharmacy, well stocked; price £500.

6.—LIVERPOOL.—Cash Retail, Dispensing, and Prescribing; in main thoroughfare; returns last year £940, increasing; large well-fitted shop, good stock; price £500.

7.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; price £800.

8.—LONDON, S.E.—Sound middle-class Cash Business, in main road; returns last year £970; net profit £350; books well kept; nice house and garden; well-stocked shop; price £450 cash.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

KENT (20 miles from London Bridge).—Well-established, progressive Business, showing for the last four years an average (approx.) 50 per cent. gross profit; price about £300; good prices and mostly cash; present proprietor, owing to domestic troubles, desires to leave the neighbourhood. "Urgent" (1/2), Office of this Paper.

LANCASHIRE.—Seaside Cash trade; taking average £10 weekly, this year much above; good profits; few Patents; look-up; rent £27; fancy price not expected, merely valuation stock and fixtures, possibly about £150. "Exceptional" (278/24), Office of this Paper.

LONDON.—A profitable Light Retail and Prescribing Business for Disposal; trade over £11 under unqualified management; low rent; convenient house; a qualified man who would take up N.H.I. Dispensing could double the cash trade; price £180, which is value of stock and fixtures only; every investigation courted; any reasonable trial allowed. 274/2, Office of this Paper.

LONDON, S.W. (Flourishing Suburb).—Advertiser, wishing to devote full time to his West-End Business, offers suburban one for immediate Disposal; spacious Pharmacy, mahogany fixtures, electric light; saleable and up-to-date stock; off panel; price £800; for keen speculators on war-sacrifice bargains "nothing doing." Apply, 'Parti" (42/21), Office of this Paper.

MIDLANDS.—Good medium-class Business in good position in healthy town of 50,000; very few Patents; chiefly Prescribing and Dispensing, with first-class own Proprietaries; price, valuation only; selling for reasons of health; every investigation allowed to bona-fide inquirers. 275/1, Office of this Paper.

MIDDLESEX.—Good-class Retail; pleasant residential district, still growing; returns £850; rent £60; excellent house; established 10 years; proprietorship unchanged; price £650; also lock-up Branch in new high-class growing district; large and handsomely fitted; splendid opening for beginner; good prospects; price £450 cash, cost of fittings and stock only. 275/33, Office of this Paper.

SOUTH WALES.—Chemist's and Wine and Spirit Dealer's Business for Sale; established nearly 40 years; takings nearly £2,500; excellent investment; profits good; scope for increase; terms to be settled by mutual agreement. Apply, 271/36, Office of this Paper.

YORKSHIRE City.—Grand opportunity for acquiring a good working-class Business in densely populated neighbourhood; unlimited scope for N.H.I. Dispensing; up-to-date Pharmacy and splendid house; returns £650; for quick sale will accept £275; excellent opening for Dentistry and Optics. Apply, 276/19, Office of this Paper.

CHEMIST'S and Druggist's Business in Manchester for Disposal; old established and in busy thoroughfare; good middle-class trade; a splendid opening for energetic young man; low price. Apply, "Printers" (271/37), Office of this Paper.

CHEMIST'S Business for Sale; corner, double-fronted shop on main road; well-populated and growing suburban district of Manchester; well fitted up and profitable General business. Apply, Alfred G. Deacon & Co., 60 and 62 Spring Gardens, Manchester.

FOR Sale, an old-established Business of a Chemist and Druggist at Shoeburyness, Essex, owing to death of proprietor. For full particulars apply to F. T. Fisher, Solicitor, 44 Alexandra Street, Southend-on-Sea.

FOR Sale, a very old-established and lucrative Chemist's, Druggist's, and Dental Business, situated in the very best business position of that most thriving naval, military, and dockyard town of Sheerness, together with the freehold premises, which comprise a modern, double-fronted shop, with up-to-date mahogany fixtures, fittings, and electric light, dental chamber (which has a separate entrance), and ample domestic accommodation; ill-health cause of disposal. Apply, Tower & Levy, Auctioneers, Sheerness.

GOOD General Retail and Agricultural Business, and semi-Wholesale; turnover close upon £3,000; good profits. "Cado" (272/28), Office of this Paper.

OLD-ESTABLISHED Business in working-class neighbourhood for Disposal; price, stock and fixtures, by agreement; owner wishes to enlist. 209 Oldfield Road, Salford.

SMALL Country Business for Sale; well-stocked shop; good house; low rent; splendid N.H.I. connection; every investigation courted; will accept deposit and balance to suit purchaser; sound reason for disposal. 275/16, Office of this Paper.

SUNDRIES, Combs, Brushes, etc., London, E.C.—A small Wholesale Business for Sale through failing health; capable of great development; day books and takings for 28 years available; nearly rent free by letting off part. "Toilet Articles" (274/38), Office of this Paper.

£80.—Kent.—Unopposed; death vacancy; Retail and Prescribing Business; present returns £7 to £8 weekly, besides over 200 panel scrips weekly; £80 will purchase it, much less than valuation; a good living assured. Apply, Berdoe & Fish, Valuers, 35 Jewry Street, Fenchurch Street, E.C.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

COMMERCIAL Salesman, with an established connection in Canadian Drug-trade, wants one or two first-class Agencies for British Manufacturers desirous of establishing themselves on Canadian market. Apply, Wm. Coldicott, Albion House, New Oxford Street, London.

WANTED, Side-line or Agency; Traveller, resident Bristol, covering all West and Mid. of England representing one house, open to work well another Agency or Proprietary Article on commission basis with present one. "Devon" (266/1), Office of this Paper.

TO LET.

CHEMIST'S Shop to Let, main road, growing district; all fitted up. Apply, Wreathall, 1 Sudbury Parade, Sudbury, N.W.

FOR SALE.

FIXTURES and Fittings, Shop-rounds, etc., for Sale; very small outlay; best offer accepted; may be seen any time. "Chemist," 22 Brook Street, W.

NEW model National Cash Register for Sale; only in use short time; ticket printed. For particulars write, "G. B. C.," 14 York Road, Battersea, S.W.

REMINGTON No. 7 Typewriter, cost upwards £20, condition as new, sacrifice £5 15s.; also Oliver No. 5, visible writing, tabulator, etc., as new, cost £23, sacrifice £9; will send either or both for inspection; cash wanted; no dealers. White Dome Chambers, Arcade, Northampton.

THREE Mahogany curved Plate-glass-fronted Showcases, suitable for outside or inside shop, with plate-glass shelves and mirrored backs, three different shapes, 5½ ft. high; offered at £10 10s. the lot; cost at least £50. Apply to Goss, 460 Oxford Street, W.

BUSINESSES WANTED.

BIRMINGHAM.—Advertiser desires to Purchase Business in pleasant suburb Birmingham, with house attached; returns about £20 week; or would be glad to know of available premises where a Pharmacy is required. Particulars and price to 271/40, Office of this Paper.

GOOD large Business required; N.H.I. returns must be comparatively small; prompt cash payment and strictest confidence guaranteed. Please give full details as regards business, rent, etc., also house (if any), to avoid unnecessary delay, to "Transfer," 13 Ashville Terrace, Headingley, Leeds.

PARTNERSHIPS.

ADVERTISER (first-class Manufacturing experience) desires shortly position of trust or Partnership in Drug, Essential Oil and Essences, or allied business; would invest £1,000; principals only. 1/3, Office of this Paper.

IN an old-established Retail and Wholesale business in the North of England an opportunity occurs for a fairly young man accustomed to first-class business, with energy and a fair amount of capital (not less than £700) at his disposal as Partner. Apply, "Progressive" (276/17), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RETAIL.

TOO MANY TO REPLY TO.

Mr. T. C. Milton, of Exeter, writing of his announcement in last week's Supplement, says:

> "My single advertisement was a great success. So many applications have been received that we cannot answer a tenth part of them. *Your advertisement sheet must have an enormous circulation.* Kindly express my regrets to the numerous applicants."

This shows how the influence of the *C. & D.* Supplement is brought home to advertisers.

BEACONSFIELD.—Wanted, a gentlemanly Junior, about 23 years of age, for a Dispensing business; hours 8.30 to 7.30; alternate evenings 9.30; outdoors; preference given to one who has served a regular apprenticeship in a good-class Pharmacy. State height and send full particulars, with photo, to Mr. R. W. Brooke, Chemist, Beaconsfield.

BIRMINGHAM.—Manager, qualified, for small branch, to commence March 29; permanency to right man; good Window-dresser and Counterman, and able to increase trade. State salary required and usual particulars, H. T. Hall, Pharmacist, Selly Park, Birmingham.

BIRMINGHAM.—Qualified Assistant for Dispensing Counter; must have had good experience. State age and salary required, Southalls, Bull Street.

BLACKPOOL.—Smart, gentlemanly Assistant, unqualified; permanency to suitable man; good Salesman and Dispenser; send full particulars and photo (to be returned); hours 8.30 to 8.30, Wednesday 1 o'clock, Saturday 11 o'clock; Sunday duty divided amongst three; July, August, September hours a little longer. Galloway, Blackpool.

BOURNEMOUTH.—G. E. Bridge & Co. require a qualified Assistant as Dispenser for April 19. Apply to W. E. Curtis, 128 Old Christchurch Road, Bournemouth.

BRIGHTON.—Qualified Assistant required for high-class Retail and Dispensing business; comfortable home. Please state usual particulars, salary (indoors), etc., to 269/5, Office of this Paper.

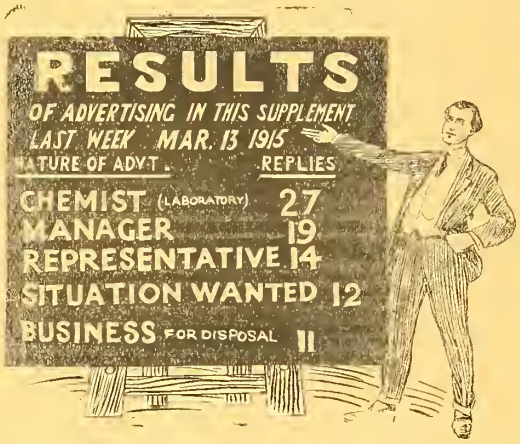
BRIGHTON.—Outdoors; mainly for Dispensing; hours, 9-9; weekly half-holiday; alternate Sundays, 9-2 and 6-9; Applications (firstly by letter) should contain full particulars as to experience, and be accompanied by photo; no ladies' replies entertained. J. Colby & Co., 101 Western Road, Brighton.

BRISTOL.—Hodders, Ltd., have vacancies for two unqualified Assistants, accustomed to brisk business; satisfactory references necessary; permanent berths for suitable men; outdoors. Apply, Manager-Director, Hodders, Ltd., 5 Nelson Street, Bristol.

CHICHESTER.—Wanted, Junior or Improver for Light Retail and Photographic business. Apply, stating full particulars, salary required (outdoors), etc., Sidney Bastow, Pharmaceutical Chemist, Chichester.

COVENTRY.—Assistant, about 22 (indoors or out), in good-class Retail and Dispensing business. State age, height, salary required, and references to Henry Welton, Bishop Street, Coventry.

DISS, Norfolk.—Required, in an Agricultural and Dispensing business, an unqualified Junior Assistant or Improver; outdoors; no Sunday duty. Apply, with particulars of age and salary required, to Gostling & Co., Chemists.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the material set before him.

EAST SUFFOLK HOSPITAL, IPSWICH.—Required, for three weeks from April 6, Locum, qualified (male); one with Hospital experience preferred; lunch provided. Apply, stating salary, to J. C. Culf at above.

HALIFAX.—Required, smart Assistant; must be good Counterman and Window-dresser; one accustomed to Store business and having some knowledge of Photography preferred; outdoors; no duty. Apply, stating age, height, experience, and salary required, to Taylors (Northern), Ltd., 4 Crown Street.

HERTFORD.—(Immediately) a reliable Assistant for good-class business; moderate hours (outdoors). Apply, giving usual particulars, to A. J. Sheffield, Fore Street, Hertford.

HULL.—Junior Assistant wanted, about 20, indoors, in good-class Retail and Dispensing business; two Assistants kept. State age, height, salary required, and references to Metcalfe & Son, Pharmacists, Hull.

LANCASHIRE.—Wanted, Junior who has had experience in good Mixed business. State age, experience, with testimonials and salary, to Heaton's, Chemists, Burnley.

LEEDS.—Manager (qualified) wanted at once; N.H.I. and General Retail; £2 10*s.* per week (outdoors); references; no hard work. "Statim," c/o Hirst, Brooke & Hirst, Ltd., Millgarth Mill, Leeds.

LEEDS.—Manager (qualified) required for easily worked Branch in a working-class district; good scope and progressive salary; to a sound man the business would be sold on easy terms. Apply, "Leeds" (274/16), Office of this Paper.

LEICESTER.—Capable, unqualified Assistant wanted, used to high-class Dispensing, good Counterman, with knowledge of Photography; outdoors; short hours; early night fortnightly; no night duty; Sunday duty two hours monthly; splendid experience; special Technical School Pharmaceutical Classes; good salary. Particulars, with returnable photo if available, Young & Sons, Chemists, Leicester.

LEICESTER.—Unqualified Assistant; N.H.I. Dispensing and Window-dressing, etc.; working-class district; married preferred. Apply, with references and full particulars, to Butlers, 51 Sanvey Gate, Leicester.

LIVERPOOL.—Junior Assistant, unqualified, for good-class Retail and Dispensing business; must be a competent Dispenser and good Counterman. Apply, giving age, height, experience, references, salary required (outdoors), and enclose photo (which will be returned), to Hawley & Son, Pharmacists, 303 Aigburth Road, Liverpool.

LIVERPOOL.—Wanted early in April, an Assistant for good-class Dispensing business; near Liverpool School of Pharmacy; indoors. Please apply to Anthony S. Buck, 179 Bedford Street, Liverpool.

LIVERPOOL.—Junior, smart, about 21, for good-class business in City; Light Retail and Dispensing. Full particulars, A. Lawrence, 44 Gt. Charlotte Street, Liverpool.

LONDON.—Wanted, the end of present month, two qualified Dispensers for Store Dispensing; good wages; applications not replied to within three days respectfully declined. Reference and experience to Mr. H. Watkins, 254 Normanton Road, Derby.

LONDON (Golder's Green).—Smart Junior Assistant required; would suit young man just out of apprenticeship. State age, salary required, and when at liberty to commence, 273/016, Office of this Paper.

LONDON.—Manager required for profitable business in a working-class neighbourhood; liberal interest in the profits offered to an energetic and reliable man. 273/16, Office of this Paper.

LONDON.—Qualified Assistant, with experience (married preferred), required for a quick trade in working-class neighbourhood; good salary to the right man, with a view to Partnership. Apply, Mr. Bartlett, 43 Preston Road, Leytonstone, Essex.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON.—Required, a qualified Assistant or Manager for Retail and Dispensing business; indoors. Salary, age, photo, and experience to "Retsof," c/o Horner & Sons, 14 Tower Hill, E.C.

LONDON, N.—Qualified Managing Assistant, chiefly N.H.I., at once. 1/4, Office of this Paper.

LONDON, N.—Junior, with some Counter and Dispensing experience; a little Photographic knowledge useful; middle-class and healthy neighbourhood; live in; time for study if necessary. Jenkin, Chemist and Optician, P.O., 352 High Road, Wood Green, N.

LONDON, N.—Wanted, an Assistant for three or more evenings; good Dispenser. 26 Stamford Hill.

LONDON, N.—Junior Assistant, about 22 (outdoors), for General Retail and Dispensing business; one accustomed to N.H.I. work preferred. Apply, with full particulars as to age, height, experience, and salary required, J. H. Frost, Pharmacist, 9 High Street, Hornsey, N.

LONDON, N.—Junior Assistant for fair middle-class business, with N.H.I. Dispensing; two Assistants kept. Apply, with full particulars as to experience, names of references, when disengaged, and salary required (indoors), "Chemist," 300 Amhurst Road, Stoke Newington.

LONDON, N.E.—Junior Assistant (outdoors) for a good-class suburban Branch (Photograph Sanger's Catalogue—Part 5). Apply, stating age, height, experience, and salary expected, also enclose photo (if possible), Matthews & Son, Pharmacists, 722 High Road, Leytonstone.

LONDON, S.E. (April 26).—£3 per week (indoors); Assistant, under 30; single; must be good Dispenser and Counterman, capable of taking charge, willing and obliging; hours 8.30 to 10 and every third Sunday; N.H.I. Apply, giving full particulars, 277/39, Office of this Paper.

LONDON, S.E.—Assistant; unqualified; Retail and Dispensing; no N.H.I. work; close Thursdays 1.30. State age, salary (outdoors), 274/39, Office of this Paper.

LONDON, S.W.—Wanted, qualified Assistant, about 25 years of age. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

LONDON, S.W.—Bradley & Bourdas, 6 Pont Street, require a qualified Assistant for Dispensing; outdoors. Apply to Mr. Bourdas.

LONDON, S.W.—Assistant wanted; quick and accurate Dispenser; qualified preferred. Apply, with usual particulars, to Tupholme & Son, 1 Coleherne Terrace, Earl's Court, S.W.

LONDON, S.W.—Wanted, an Assistant who has had good Dispensing experience for the Dispensing Counter; outdoors. Particulars to 277/18, Office of this Paper.

LONDON, S.W.—Qualified Manager; entire control; indoors or out. Write, stating experience, age, and salary required, to Slator, 80 Ardgowan Road, Catford, S.E.

LONDON, S.W.—Unqualified Assistant required early; must not be over 30 years old; good salary to man of experience. 262/39, Office of this Paper.

LONDON, W.—Assistant wanted at once for Dispensing business; state age, experience, salary required; or qualified Part-time. Apply, A. E. Grimwade, Pharmacist and Optician, 81 Cornwall Road, Westbourne Park, W.

LONDON, W.—Unqualified Assistant (outdoors), about 21-23 years of age, required. Apply, giving full particulars, to Blake, Sandford & Blake, 49 Dover Street, Piccadilly, W.

LONDON, W.—Junior Assistant required (outdoors) for good-class Dispensing business; hours 8.30 to 8; no late duty; Sunday duty nominal. Apply, giving usual particulars and enclosing photo, to W. Ive, 221 High Street, Kensington, W.

LONDON, W.—Required immediately, Junior with good previous experience. Personal application preferred, or give particulars of previous engagements, age, height, salary required (outdoors), and when disengaged, photo if possible, Sharpe & Son, 34 High Street, Notting Hill Gate, W.

LONDON, W.—Wanted immediately, a competent Assistant, age about 25, chiefly for Dispensing and to assist occasionally at Counter; good Dispensing experience essential; a comfortable berth to the right and ambitious man. Apply, with usual particulars, 277/4, Office of this Paper.

LONDON, W.—Two qualified Assistants required in a leading West-End business. Applications, with full particulars of experience, to be addressed to "Pharmacist" (278/34), Office of this Paper.

LONDON, W.—Stockman required at once; one accustomed to putting up Specialities, etc., and to the care of Stock. Walker, 36 New Cavendish Street, W.

LONDON, W.C.—Junior Assistant at once; must be good Dispenser and smart Salesman; good address and appearance essential. F. G. Curtis & Sons, Chemists, 20 Bury Street (opposite British Museum).

LONDON, W.C.—Junior with first-class West-End experience and good references; young, energetic, willing to learn and to work. Apply Cofman's Pharmacy, 6 Bloomsbury Street, W.C.

LONDON, W.C.—Wanted after Easter, Assistant (outdoors), accustomed to good-class Retail and Dispensing; qualified preferred. Burden & Co., Pharmacists, 41 Store Street, Bedford Square, W.C.

LONDON (West End).—Immediately, a qualified Junior for first-class business; must be thoroughly well up in Dispensing. Apply, giving full details of experience, salary required (outdoors), etc., to 278/33, Office of this Paper.

MANCHESTER.—Assistant wanted; good Counterman and careful Dispenser; age no objection. Full particulars, salary, etc. (outdoors), Henry Tinker, The Heights, Manchester.

MANCHESTER.—Elderly qualified Assistant required immediately; Salford district; permanency; easy hours; state salary required. 273/106, Office of this Paper.

MANCHESTER, City.—Qualified Dispenser required for Part-time as follows: Thursday 1 p.m. to 8.15 p.m., other days 1 p.m. to 2 p.m., except Saturday and Sunday free. State age, experience, and salary required to 277/6, Office of this Paper.

MANCHESTER District.—Junior Assistant wanted, age about 22; must be willing and active; one with Retail business and N.I. Dispensing experience in a working-class district preferred. Particulars to 277/7, Office of this Paper.

MANCHESTER.—Junior wanted at once; good opening; middle-class business. Full particulars, age, salary, and references, 81 Alexandra Road, Manchester.

MANCHESTER.—Wanted, Junior Assistant or Improver; also Part-time Assistant for evenings; one with N.H.I. qualification preferred; suit student wishing to attend classes. State experience, salary required, references, etc., in first letter, Butcher & Simmons, 329 Chapel Street, Salford.

MARGATE.—Qualified Branch Manager for permanency; competent and trustworthy; about 30; for good-class Retail and Dispensing business. Full particulars of last two engagements, age, height, and photo if possible, state salary (unfurnished rooms on premises), W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

MARGATE.—Gentlemanly Assistant (outdoors), about 24, with experience, for good-class Retail and Dispensing business; comfortable berth; or good Junior entertained. State age, height, salary required, and particulars of last two engagements to W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

NORTH-EAST COAST.—Qualified Chemist wanted; suit middle-aged married man; Store experience preferred. 273/5, Office of this Paper.

OLDHAM.—Unqualified Assistant for quick Cash business; must be reliable and a good Salesman; salary 30s. per week and commission. 272/035, Office of this Paper.

OLDHAM.—Wanted, qualified Assistant for quick Cash business; £3 per week and commission; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, to 272/35, Office of this Paper.

PADDINGTON BOARD OF GUARDIANS.—Assistant Dispenser.—The Guardians invite applications from qualified women Pharmacists for the appointment of Assistant Dispenser at the Paddington Infirmary and Outdoor Dispensary; salary £90 per annum, rising by annual increments of £5 to a maximum of £100 per annum; hours 9.30 a.m. to 6 p.m., Saturdays 2 p.m., and about two hours' duty alternate Sundays; the conditions of the appointment are set out on the form of application, which will be sent by the undersigned upon receipt of a stamped addressed foolscap envelope, and which must be returned, duly filled up, by 10 a.m. on Tuesday, the 30th day of March, 1915. By order. P. Biddulph Hancock, Clerk to the Guardians. Guardians' Offices, 313-319 Harrow Road, Paddington, W. March 16, 1915.

PHARMACEUTICAL SOCIETY OF IRELAND.—The Council of this Society will, on April 13, 1915, proceed to the appointment of an Examiner for the Practical Pharmacy Division of the Pharmaceutical Licence Examination, subject to the approval of His Excellency the Lord Lieutenant and the Privy Council of Ireland. Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than April 6, 1915. Arthur T. Ferrall, Registrar. 67 Lower Mount Street, Dublin.

PONTEFRACT.—30s. to 35s. per week; unqualified, young Assistant wanted for Counter and N.H.I. Dispensing; one used to quick Cash trade. Full particulars to A. Collins, M.P.S., Chemist, Pontefract.

PUTNEY.—T. Jones & Co., Putney Hill, require an Assistant (outdoors), with good Dispensing experience; age about 24 to 28; must have good references. Apply, personally or by letter, to Mr. Amoore.

ST. LEONARDS-ON-SEA.—Assistant wanted (indoors) for Light Retail and Dispensing. State age, height, references, and salary required, enclosing photo, to T. W. Jones, 55 Bohemia Road, St. Leonards-on-Sea.

SOUTH COAST.—Ordinary Retail and Prescribing, some N.H.I. work; Extractor with knowledge of Dentistry preferred, but not essential if willing to learn. State full particulars as to age, experience, references, when at liberty, and salary required. 276/12, Office of this Paper.

SOUTH WALES (Seaport).—Required immediately, Improver or young Junior (outdoors) for Light Retail and Dispensing. State age, height, salary required, and references to 275/40, Office of this Paper.

SUTTON, Surrey.—Reliable Assistant; indoors preferred, but not essential; must have Dispensing experience; good salary to competent man. W. T. Stephenson, 31 High Street.

WARWICK.—Required shortly, a gentlemanly and obliging Assistant for good-class Dispensing and Light Retail, with Photographic (no developing or printing). Please state age, height, and salary required, and give references, to H. R. Crossdale, The Pharmacy, Warwick.

WHITCHURCH, Shropshire.—Wanted, smart Junior for good-class business; hours very short; no Sunday duty; sleep out; dinner and tea provided. Apply, with full particulars and salary required, to Morgan & Sons, Chemists, Whitchurch, Salop.

WIMBLEDON, S.W.—Wanted, an Assistant with good Dispensing experience. Pooley & Co., 15 Hill Road, Wimbledon.

WINCHESTER.—Wanted immediately, qualified Manager for Chemist's Department; age 30-45; permanency; abstainer. Send full particulars (with photo), salary required, etc., to Eldred & Inge, 155 High Street, Winchester.

YORKSHIRE (West Riding).—Unqualified Junior required for progressive business; permanency with excellent prospects; state when at liberty. 273/160, Office of this Paper.

A JUNIOR or Improver wanted; good experience and help towards qualification for a man who will work. Apply, Broadbent, F.S.M.C., Pharm. Chemist, Honley, Huddersfield.

ANCOATS Hospital, Mill Street, Manchester.—Dispenser (Minor qualification) wanted at once to take full charge of Dispensary Department in this Hospital; previous Hospital experience preferred. Applications, stating age, qualifications, salary required, experience, etc., to be forwarded to the Secretary at the Hospital.

ANDERSON & VIRGO, Worcester, require a competent Assistant, chiefly for Dispensing. Give particulars as to experience, age, height, references, salary required, and enclose photo.

ASSISTANT wanted; unqualified; Dispensing experience; knowledge of Photography; outdoors. Apply, Robert E. Pearce, 24 Bank Street, Newquay.

ASSISTANT wanted for good-class business; abstainer preferred; hours 8 to 7.30, Wednesdays 1, Saturdays 9; no Sunday or holiday duty. State age, height, experience, salary required (outdoors), when disengaged, and enclose photo if possible. C. Polgreen, Andover, Hants.

ASSISTANT wanted; good Dispenser; knowledge of Photography. Crawford, Chemist, Horley, Surrey.

ASSISTANT required for small Drug-stores in working-class neighbourhood; able to take full charge at times; plenty of scope for working up a good business; abstainer, and must have first-class references; reasonable hours and every consideration to the right man. Please send full particulars and wages required to 274/27, Office of this Paper.

ASSISTANT required, experienced; comfortable permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

ASSISTANT (outdoors) for Cash business and N.H.I. work, good Counterman and quick Dispenser; hours 8.30 to 9, Sat. 8.30 to 11, half-holiday weekly, Sunday, every third, 7 to 9, with another. Apply, giving full particulars and last two references, to Chandler & Son, Chemists, Bristol.

ASSISTANT wanted for good-class Light Retail and Dispensing business. Apply, with full particulars, to J. Palmer, Pharmacist, Oxford.

ASSISTANT wanted, competent to take charge, for Family Retail and Dispensing business. Apply, with usual particulars, to G. L. Pentney, 98 Queen's Road, Dalston, N.E.

AT once, qualified or unqualified Assistant; good salary offered to man who takes interest in his work. Apply, stating full particulars, to Woollons, Chemist, 28 Kilburn Lane, W.

BRADY & MARTIN, LTD., 29 Mosley Street, Newcastle-on-Tyne, require early in April qualified Junior Assistant for the Dispensing and Retail Counter, accustomed to high-class business; indoors. Apply, giving full particulars of age, salary, when disengaged, and enclose photo.

COMPETENT Assistant required, used to good-class business. Apply R. C. Harrison, The Old Bank Pharmacy, Haslemere, Surrey.

DISPENSER.—Vacancy occurs in good-class practice in London; no panel work, must have exceptional references. Write, stating age, experience, height, salary required (outdoors) (permanency if suitable), 275/20, Office of this Paper.

DISPENSERS.—A number of qualified women Dispensers are required in London in connection with the pricing and examination of Chemists' Prescriptions; wages from 25s. to 30s. a week, according to experience. Applications, which should be made on foolscap paper in the applicant's own handwriting, should state qualifications, experience, and age, and be accompanied by copies of not more than three testimonials, at once, to 43/4, Office of this Paper.

DOCTOR requires experienced Dispenser at once; good references. Apply, by letter, Dr. Thornton, 573 Romford Road, Forest Gate.

ELDERLY or Lady Pharmacist for light duties, Manchester district, to relieve Pharmacist; one with knowledge of shop work preferred; hours may range from three to eight hours a day. State agreeable hours and salary, 276/2, Office of this Paper.

EVENINGS, 6 to 9.30 Monday, Tuesday, Wednesday, and Friday, 6 to 11.30 Saturday, for about four weeks; Dispensing and Stock. Apply, "Manager," 297 Edgware Road, London, W.

EXCEPTIONAL opportunity for energetic Pharmacist with capital and first-class references to acquire gradually sound, old-established Business, busy country town near South Coast; turnover steadily increasing owing to town development; applicant in first instance would take control of Counter. All communications, in strict confidence, to "Phenol" (275/36), Office of this Paper.

GIBSON'S, Gooch Street, Birmingham, require the services of an unqualified Assistant to travel Birmingham and district with cheap packed lines; occasional Retail Counter duty; previous travelling experience an advantage, not essential, but energy and willingness are. Give full particulars in first letter as to age, experience, and salary required.

JUNIOR or Porter wanted; must be able to drive a private car and make himself generally useful at counter. State salary, with references, or apply Brodribb, 344 Mare Street, Hackney, N.E.

JUNIOR or Improver required for Light Retail and Dispensing business; hours 8.30-8; outdoors. State age, experience, salary required, and when at liberty, to Wood, Chemist, Reading.

JUNIOR Assistant; outdoors; good Dispenser; easy hours. State age, salary, and references to Geo. A. Harmer, Pharmacist, Eastbourne.

JUNIOR wanted at once for high-class Dispensing business; indoors. Apply, with usual particulars and salary required, to A. H. Ellithorne, 26 Wellington Road, Oxton, Birkenhead.

JUNIOR or Improver; easy hours; no Sunday; outdoors; unqualified. Freshney, Victoria Street, Grimsby.

JUNIOR Assistant, good Counterman and trustworthy Dispenser; Photography. Full particulars as to age, height, references, salary desired (outdoors), etc., to Wiggin, Chemist, Ipswich.

JUNIOR Assistant wanted early in April; good-class business; outdoors; no Sunday duty. Please apply, S. Phillips, Pharmaceutical Chemist, Wolverhampton.

JUNIOR Assistant or Improver for brisk Cash business in Manufacturing town near Birmingham; no night or Sunday duty; easy hours. Send full particulars of age, experience, and salary required, 278/19, Office of this Paper.

JUNIOR in West-End town; experience not necessary as long as capable Dispensing; Minor qualification. Full details to "Cabriel," c/o Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

LADY Assistant required at once (outdoors), with usual duties, good Dispenser, accustomed to good-class Counter business. State height, age, experience, and salary required, also enclose photo, to E. G. Trevethick, Pharmacist, Medical Hall, Bull Ring, Kidderminster.

LEWIS & BURROWS require the services of a smart Junior Assistant. Apply, 146 Holborn Bars, E.C.

MANAGER, qualified, for lock-up City business; no Sunday duty. Apply, with full particulars, salary required, and photo, John Bain, 4 Quadrant, Lime Street, Liverpool.

MANAGER, qualified, required at once for suburban business; knowledge of Photography required; good house; age 40 to 50. Apply personally, or write full particulars, to Enness & Co., Chemists, 91 High Street, Wandsworth, S.W.

MANAGER, elderly but smart, married, for small retail business; accurate and quick N.H.I. Dispenser. State age, salary, references, when disengaged in the first instance, 275/016, Office of this Paper.

MANAGER (qualified) at once; permanency; easy berth, suit elderly man. Apply, with full particulars of age, salary, etc., "R. J. F.," c/o Wooleys, Ltd., Manchester.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; not eligible for military service; easy hours; good and progressive salary, with excellent prospects.

PART-TIME; comfortable home, with board, etc.; duty evenings; suitable for those attending College or other students. 175 Uxbridge Road, London, W.

PART-TIME Assistant (unqualified) at once in busy N.H.I. district several evenings per week from 6 o'clock. Apply, T. T. Leighton & Co., 565 Lea Bridge Road, Leyton.

PERFUMERY and Toilet Requisites.—Young Lady wanted with good knowledge of this department. State age, height, salary expected (to live out), and give full particulars of experience, in confidence, Staff Superintendent, The New Lewis's, Market Street, Manchester.

QUALIFIED Manager wanted; death vacancy; good Assistant kept; the right man liberally treated. Apply, Exors. of Mr. William Dodge, Chemist, Heaton Norris, or James Woolley, Sons & Co., Ltd., Manchester.

QUALIFIED Manager for Branch in good working-class district; hours 8.30 to 8.30 Monday, Tuesday, and Wednesday, 8.30 to 1 p.m. Thursday, 8.30 to 9 p.m. Friday, and 8.30 to 10.30 Saturday; no Sunday or Bank Holiday duty. Snowden, 442 Anlaby Road, Hull.

QUALIFIED Branch Manager; Light working-class Retail and little N.H.I. Dispensing; married preferred, live on premises; comfortable house; good Counterman and Dispenser; steady and reliable; London suburb, E.; salary 45s. weekly, house and gas, and good commission on increase; good scope energetic man. Lawrence, 70 Glenparke Road, Forest Gate, E.

QUALIFIED man required for N.H.I. Dispensing only. Apply, E. F. Wilson, 8 East Street, Walworth.

QUALIFIED Manager (S. Yorks), to take charge during owner's absence on military service; light Cash trade; easy hours; girl kept for dusting and packing; could have use of house if married, otherwise live in; lady accepted. Reply, with full details, references, and salary required, in first letter to 275/27, Office of this Paper.

QUALIFIED Branch Manager required early in May; must be accustomed to a quick modern Store business; an Assistant kept. Please give full particulars in first letter (which will be treated in strictest confidence) of age, height, previous experience, salary required (outdoors), enclosing carte, to "Bristol Channel" (278/26), Office of this Paper.

QUALIFIED Branch Manager wanted at once; work light; suitable for an elderly man; house attached Apply at once, by letter, to 42/65, Office of this Paper.

REQUIRED at once, qualified Assistant, elderly not objected to, in good Family and Dispensing business; outdoors; comfortable rooms and board can be had for unmarried man; easy hours; no Sunday duty; half-day weekly. State salary, etc., Botley Drug Co., Botley, Hants.

SEASIDE.—Assistant, unqualified (outdoors), for good-class Dispensing business. Send full particulars and photo, Wing, 8 Boulevard, Weston-super-Mare.

SELFRIDGE & CO., LTD., require the services of an Assistant, of good appearance and address, for Drug Department; applicants must be under 35 years of age; salary and commission. Apply between 5 and 6 o'clock.

TWO Assistants wanted, one London, one Tunbridge Wells; each select Dispensing business; good opening; proprietor retiring soon. Apply, R. A. Robinson (Malden & Co.), 205 Brompton Road, London, or Miller & Co., 42 Mount Ephraim, Tunbridge Wells.

UNQUALIFIED Assistant; outdoors; single and above military age preferred, but not essential; permanency desired for suitable man; light hours and no Sunday duty. Applicants by post please give all usual particulars and state salary required in first letter, to Mr. Ness, 68 Brixton Road, S.W.

UNQUALIFIED Assistant, experienced, to live indoors, wanted April 10. Apply, with references, to FitzHugh & Carr, Nottingham.

UNQUALIFIED Assistant (outdoors) for Mixed Country business; easy hours; no Sunday duty. State salary required, and send references and usual particulars, to Sturton & Howard, Fore Hill, Ely, Cambs.

UNQUALIFIED Assistant (outdoors) wanted at once for Dispensing and Light Retail; easy hours. Apply, stating age, height (salary £2 per week), and reference, W. Charrington, Pharmacist, Lichfield, Staffs.

UNQUALIFIED Assistant wanted; outdoors; first-class Retail and Dispensing; knowledge of Photography essential. State salary required and give full particulars of experience and references in first letter, H. H. Cannon, Chemist, Penzance.

UNQUALIFIED Junior for good middle-class Retail and Dispensing business; indoors; wanted at once if possible. Send full particulars, Savage & Co., Pharmaceutical Chemists, Brighton.

UNQUALIFIED Assistant; smart; must be good Salesman and Window-dresser, reliable Dispenser; able to take charge in absence of proprietor; progressive salary to right man. Apply, giving particulars, age, height, salary, when disengaged, C. R. Toyne, 26 High Street, Putney.

UNQUALIFIED Junior wanted for middle-class business in North London; no Sunday duty; salary 30s. per week. 268/7, Office of this Paper.

UNQUALIFIED.—Wanted immediately, smart Junior, unqualified. Salary required and full particulars to Armitage, 72 and 186 South Ealing Road, Ealing, W.

UNQUALIFIED, for South Coast, to Manage business side up-to-date Pharmacy on Store lines; must be smart Salesman, Window-dresser, good appearance; progressive opening to right man; good salary, share of profits. Reply treated in confidence. Age, height, single, married, disengaged, experience, and salary, Simpson, 135 Queen's Road, Brighton.

W. CHAS. SAYERS, 63 High Street, Lewisham, S.E., requires an Assistant; outdoors; permanency. Please send full particulars with application.

WANTED at once, qualified Assistant. State age, experience, and all particulars, to Walker & Harris, Ltd., Sun Street, Canterbury.

WANTED at once, Assistant with experience in good-class Dispensing business. Apply, giving full particulars as to experience, age, and salary required (in- or out-doors), Hall & King, West Cliff Pharmacy, Folkestone.

WANTED, registered Chemist, mainly for N.H.I.; temporary, permanency if suitable; exceedingly comfortable position; no objection to elderly. Apply, giving full particulars, age, salary, etc., C. E. Donnelly, 284 Derby Street, Bolton.

WANTED, Junior or Improver, accustomed to Dispensing; moderate hours. State age, experience, and salary required (outdoors), also reference, to A. Richardson, Pharmacist, 439 Hessle Road, Hull.

WANTED, a qualified Assistant (indoors or outdoors), for six or nine months, in good-class Dispensing business, with Photography; one capable of taking charge; one other kept. Send usual particulars and salary required, Green, Pharmacist, Southborough, Tunbridge Wells.

WANTED, early in April, a competent reliable Assistant, qualified preferred, for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace, W.

WANTED at once, Junior Assistant, just out of apprenticeship preferred; also elderly unqualified man; for quick Cash trade. Full particulars to Durbin's Drug Stores, Ealing, W.

WANTED, elderly Junior or Student Relief, 2 hours Sunday evenings, four hours Thursday mornings. State terms or call, 10 North Pole Road, North Kensington, W.

WANTED, a good Junior Assistant, who has been accustomed to a high-class Dispensing business; outdoors. Apply, with full particulars, to Butcher, Curnow & Co., Ltd., Chemists, Blackheath, S.E.

WANTED, a competent and trustworthy Assistant, within short distance of London; Dental and Photo knowledge useful; middle-aged, active man would suit; permanent and comfortable berth. State age and salary (outdoors), "M.Ph.S." (276/20), Office of this Paper.

WANTED, gentlemanly Assistant, accustomed to best-class Dispensing and Family Retail. Particulars to Chas. H. Welton, 60 Smithford Street, Coventry.

WANTED, Junior or Improver at once; suit young man just completing apprenticeship. Apply, stating full particulars, salary, etc. (outdoors), Troughton, Chemist, Lancaster.

WANTED, Assistants (outdoors). Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Broad Street, Seaford, Sussex.

WANTED after Easter, unqualified Junior Assistant, good Dispenser, for West-End Dispensing business. 1/6, Office of this Paper.

WANTED, competent Assistant for Dispensing and Counter; in- or out-doors; permanency to reliable applicant; hours 8.30 to 8, Saturdays 9.30; 15 minutes' run from Brighton. Photo and particulars, Dixon, Pharmacist, Hayward's Heath.

WANTED as soon as possible, qualified Chemist; active and obliging; good references required; Optician preferred, but not essential; Assistant kept. Tottle, Chemist, Epsom.

WILLIAM DOBBIN & CO., LTD., Chemists, Opticians, and Photographic Dealers, Belfast, require a young, energetic man as Manager for a very extensive and old-established Retail business; must have a thorough knowledge of the Drug and Sundry business and be competent to buy and to take full control; this is an excellent position for a man of thorough capacity, well up in Window-displays, and able to develop business on profitable lines; undeniable references necessary. Please give full particulars, in confidence, and state salary required.

WHOLESALE.

A WELL-KNOWN firm of Chemists have a vacancy for smart, capable Export Clerk, with first-class knowledge of Colonial trade; permanency for the right man, with a progressive salary. Apply, in confidence, 272/31, Office of this Paper.

BOTTLE-WASHER wanted. Apply, Meggeson & Co., Ltd., 14/15 Miles Lane, Upper Thames Street, E.C.

CHEMIST required by old-established Wholesale Druggists, London; must have had Manufacturing experience and be able to take charge of Laboratory; good salary will be paid to first-class man. Write, in confidence, full particulars of experience, etc., to 34/62, Office of this Paper.

FOREMAN wanted by a London house for a Wet and Dry Department; must be experienced, capable of controlling a small staff, reliable and accurate. Apply, stating full particulars of age and experience and wages expected, to 1/01, Office of this Paper.

GOOD Wet Counter hands wanted, Wholesale. Apply, with full particulars, 277/022, Office of this Paper.

JUNIOR Assistant, from 18 to 21, with knowledge of Chemistry, to help in Manufacturing and Laboratory; opportunity for smart young man with good references. Apply, H. V. Potter, B.Sc., A.I.C., 98 Bradford Street, Birmingham.

LABORATORY hand wanted; one used to Essential-oil Distilling preferred. Apply, with full particulars, to 277/22, Office of this Paper.

MAN required in Export Department to get together Surgical goods and Druggists' Sundries. Write experience, age, and wages expected to 35/70, Office of this Paper.

MEDICATED Confectionery.—First-class Foreman wanted; good salary to competent man—none others need apply. All particulars in first instance to 41/73, Office of this Paper.

OPTICIANS, Wholesale, invite applications from gentlemen open to represent them (Part Time) in any part of the world. Apply, "X." (274/3), Office of this Paper.

QUALIFIED Junior wanted by London firm of Manufacturing Chemists for indoor staff; good business training and some capacity for organisation necessary; a candidate of superior education will be given the preference if otherwise suitable; good opening for energetic, capable man. Apply, by letter, stating age and salary required (also enclose photograph, to be returned), to 42/66. Office of this Paper.

RANDALL & SON, LTD., Wholesale Druggists, Southampton, require the services of two Assistants for their Wholesale Counter; one accustomed to "Drys," the other "Wets." Will applicants kindly give full particulars as to references, experience, and salary required.

RELIABLE Foreman wanted for a London house for Packed Goods Department; must be experienced, accurate, and capable of controlling a female staff. Apply, stating full particulars of age, experience, and wages expected, to 1/100, Office of this Paper.

SEVERAL Assistants and other hands in Wholesale and Manufacturing for Wet and Dry floors, also Steam Laboratory (including Pills and Tablets); experience desirable; knowledge of business essential; state full particulars and wages required, otherwise application ignored; district South Lancashire. 278/1, Office of this Paper.

TABLET-ROOM.—Wanted, an experienced Man for Sugar and Chocolate Coating. Address, stating age, experience, etc., wages required, "K." (34/7), Office of this Paper.

WANTED, a reliable and experienced Assistant to take the Management of the Wet Counter; also one or two Junior Wet Counter Assistants. Apply, stating age, experience, and salary required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WET Counterman required, experienced; comfortable permanency if suitable. Please state age, salary expected, etc., Timothy White Co., Ltd., Portsmouth.

WET or Dry hands wanted, with some experience; age 18-20. Apply, stating full particulars of age, experience, and wages expected, to 1/1, Office of this Paper.

WHOLESALE house require (immediately) capable Assistant for their Surgical Instruments, Dressings, and Sundries department; must have a good knowledge of these requirements; state age, experience, and wages required; a permanent and progressive position assured to an energetic man. Hough, Hoseason & Co., 2 Bridge Street, Manchester.

WHOLESALE Drug Trade.—Wanted, man accustomed to Pan work in Laboratory and making Citrate of Magnesia. Address, stating age and wages required, "H." (40/25), Office of this Paper.

WHOLESALE Drug Trade.—Wanted. Assistant for Wet Floor. Address, stating wages required, "Borax" (16/41), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

DISPENSER (male) wanted for British Red Cross Hospital in France; Minor or Apothecaries' Hall certificate or equivalent; pay £2 per week, with rations. Apply to the Pharmaceutist, London Hospital, Whitechapel, E.

QUALIFIED Chemist wanted for British East Africa, with a knowledge of Photography; salary first year £300, second year £325, third year £350; second-class passage paid out. Apply, by letter, stating age and qualifications, and enclosing copies of testimonials, to Davis & Soper, 54 St. Mary Axe, London, E.C.

APPRENTICESHIPS.

WANTED, Apprentice in good-class Dispensing and Retail business, healthy suburb North London; time for study could be arranged. Reply, 277/14, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

ADVERTISER (38) wishes to hear from Chemist or Company wanting capable man for Managing Drug-store, or as Managing Assistant; wide experience; 10 years present post; salary and commission. "Bota" (272/26), Office of this Paper.

ASSISTANT; unqualified; active; age 40; good all-round experience; country preferred. Address, 276/3, Office of this Paper.

ASSISTANT; unregistered; competent, trustworthy; London or suburbs preferred; or Management small genuine Drug-store, populous neighbourhood; view early succession; neglected entertained if scope. "Genuine" (275/7), Office of this Paper.

ASSISTANT; 23; Dispenser, Counter, and Photographic experience; London preferred. 272/1, Office of this Paper.

BIRMINGHAM.—Evening Relief; Pharmacist, free after 7 p.m., offers one or two hours. 274/28, Office of this Paper.

COMPETENT all-round Assistant, unqualified, married (40), good Prescribing, Dispensing, Photography, used charge, seeks permanency; South or S.W. England preferred; liberty Easter. "Veritas" (275/10), Office of this Paper.

COMPETENT Assistant or Manager; London and provincial experience; Dispensing, Prescribing, Photography; thorough knowledge of Dentistry; unqualified; age 27; disengaged. 278/13, Office of this Paper.

DISPENSER or Manager: 25 years' experience; N.H.I. qualification; Prescriber, Extractions, Minor Surgery, Locum; age 43; married; disengaged; 5 ft. 10 in. Harris, 14 Oak Street, Wolverhampton.

DISPENSER; 27; disengaged; N.H.I. qualification; Extractions; 8½ years' last situation; excellent references; permanency or Locum. Bryan, 4 Treneglos Terrace, Newlyn, Penzance.

DISPENSER, Lady (Hall) desires post; experienced; Bookkeeping; in or near London preferred. 278/11, Office of this Paper.

DISPENSER-BOOKKEEPER, Young Lay, Hall qualification, requires situation, Doctor or Institution; references and security; permanent or Locum. Apply 271/13, Office of this Paper.

ELDERLY qualified Manager-Assistant: N.H.I.; single; permanency; active; Prescriber; light duties; moderate hours. 274/8, Office of this Paper.

EMERGENCY, Relief, or otherwise, where registration not essential; experienced, competent, reliable; used sole charge; London or near. "Statim," 8 Harcourt Road, Plaistow, E.

EXPERIENCED Assistant; careful Dispenser; middle-aged; abstainer; disengaged. "Chemist," 2 Hurlingham Road, Bristol.

EXPERIENCED Dispenser, with good business ability. Forster, 5 Coleridge Road, Finsbury Park, N.

LADY Dispenser, unqualified, requires Part Time, Liverpool or Chester districts. Renfree, St. John's, Grove Park, Wrexham.

LADY Dispenser-Bookkeeper (Hall), 3½ years' experience, seeks post, Doctor or Institution; South Wales preferred; disengaged after Easter. 273/4. Office of this Paper.

LADY Dispenser, Hall qualification, Hospital experience, desires post. Write, Miss C. Cooke, 16 The Ridgeway, Golder's Green, N.W.

LADY Assistant; age 20; over 3½ years' experience. Apply "J. R.," c/o Mr. Hugh Jones, M.P.S., Medical Hall, Blaenau, Festiniog.

LADY; 21; three years' experience, Dispensing, Bookkeeping, Stock. 278/25, Office of this Paper.

LADY Dispenser desires re-engagement; Doctor, Hospital, or Chemist; bookkeeping, shorthand, typewriting, card-indexing, pricing. 277/21, Office of this Paper.

LADY Dispenser: Hall certificate; knowledge of N.H.I. Pricing. "S.," Clifton House, Hayward's Heath.

LADY Dispenser; Part-time; thoroughly experienced: references; London only. 275/29, Office of this Paper.

LOCUM, unqualified; 33 years old; single; tall; first-class references; good experience all branches; open for dates from Easter onward; or would take berth as Manager of a Drug-store. "X. Y. Z." (271/38), Office of this Paper.

LOCUM or Temporary Engagement wanted, qualified; 30. "B," 12 Bersham Road, Wrexham.

LOCUM; well experienced in routine of Pharmacy and Drug-stores; good references. "N.," 1 Ordnance Place, Woolwich.

LOCUM or permanency; 25; unqualified; Counter and Dispensing. "Aspirin," 20 Portland Road, Blackpool.

LONDON.—Good all-round man (45) seeks situation: Retail or Wholesale; 10½ years' reference; salary 36s.; unqualified. "Gentian," c/o R.A.T.A. Hut, Sheerness.

M.P.S. and F.S.M.C. as Manager; high-class Dispensing and Retail experience; with or without view to succession; married; permanency; highest references. 275/19, Office of this Paper.

MANAGER, qualified, 32, married, used to busy trade, present post over 4 years, desires position with view to succession; small capital; state full particulars. 272/4, Office of this Paper.

MANAGER; outdoors or live over premises; age 42; capable, energetic, trustworthy; excellent references. "Beta" (272/29), Office of this Paper.

MANAGER small Branch; capable man; low salary; easy berth; single; disengaged; unqualified. "Laura," 30 Scotswood Road, Newcastle-on-Tyne.

MANAGER will shortly be seeking berth in large town with technical schools; prefers to live on premises. 278/27, Office of this Paper.

MANAGING Assistant, qualified, all-round good experience, age 41, married, disengaged May 1, requires position of trust and good prospects. Apply, 273/8, Office of this Paper.

MANCHESTER or District.—Manager or Assistant; excellent all-round experience, including Dentistry and Optics; unregistered; good Salesman and Dispenser; best references. "C.," 20 Marsland Street, Cheetham Street, Manchester.

MIDDLE-AGED, qualified man; out of Drug business for two years; permanency; low salary under circumstances; single. "Permanent" (277/37), Office of this Paper.

PHOTOGRAPHIC and General Assistant; 15 years' experience, Developing, Printing, Stockkeeper, Counter, Window-dresser; height 5 ft. 10 in. 276/13, Office of this Paper.

PART-TIME berth required in S.E. district two or three evenings weekly. "E. A. W.," 30 Barney Street, Greenwich.

PART-TIME wanted; experienced Dispenser and Bookkeeper; sober; reliable; highest references; Doctor preferred. "H.," 4 Bridge Road, St. Margarets, Twickenham.

QUALIFIED; Manager; 31; good references; competent; married. "Salol," 65 Northdown Road, Margate.

QUALIFIED; 30; Assistant or Branch Manager; abstainer; disengaged soon; outdoors; varied experience. "C. E. B.," c/o Summers, Pharmacist, Streatham Common, S.W.

QUALIFIED; 25; married; high-class experience, Dispensing and Counter, Photography; capable Manager or Senior; permanency. State full particulars, Geering, 24 Church Road, Hove.

QUALIFIED; age 49; active; height 5 ft. 5½ in.; outdoors; varied Dispensing experience; salary according to business hours and duties; considered an average "all-round." "Chemist," 124 Bishop's Road, Cambridge Heath, N.E.

QUALIFIED Manager or Dispenser; experienced good-class business. "Alpha," 92 Fentiman Road, S.W.

QUALIFIED; Locum, permanency; 36; married; Counter, Dispensing; disengaged. Stowart, 3 Elborough Street, Southfields, S.W.

QUALIFIED (36), married, seeks improving permanency; now in berth; salary and commission; moderate hours; London; outdoors; would invest £50 or take shares. 277/12, Office of this Paper.

QUALIFIED; 31; good Dispensing experience; London preferred. "Ferrum" (276/39), Office of this Paper.

QUALIFIED; gentlemanly, well educated; 44; Manage for widow or Company. All particulars, 276/11, Office of this Paper.

QUALIFIED; 30; thoroughly competent and energetic; Counter, Dispensing, Photography; some French; permanency, or view to succession; married. Address, "Abstainer" (274/4), Office of this Paper.

QUALIFIED, thoroughly experienced Chemist seeks engagement as Manager or Locum in good-class Dispensing and Retail business; Easter holidays entertained. State terms and particulars to "Placida," 20 Strathblaine Road, St. John's Hill, Wandsworth, S.W.

RELIEF; reliable, reasonable; Dispensing, Prescribing, Manufacture. "Hall," 48 Handforth Road, Stockwell, S.W.

RUSSIAN Pharmacist (Dorpat diploma) desires situation in English Pharmacy Wholesale house; Chemical or Pharmaceutical Laboratory or Hospital; speaks French, German, and a little English. Write 261/36, Office of this Paper.

SENIOR (unqualified) as Manager; thorough practical knowledge of the trade; Counterman, Dispenser, or any position where reliability, sobriety, and tact are requisite. "Alert," 84 Langham Road, West Green, N.

TEMPORARY or Locum; qualified; exceptional English, French experience; undeniable references; shortly disengaged. 278/21, Office of this Paper.

UNQUALIFIED Dispenser; reliable; over 6 years' London and Continental experience; N.H.I.; good references. 5 Paul Street, E.C.

UNQUALIFIED; 24; high-class Dispensing and Counter experience. Cogar, Marine Parade, Worthing. Disengaged.

UNQUALIFIED, married, age 40, requires berth Manager Drug-stores; good all-round experience. Apply, 276/32, Office of this Paper.

UNQUALIFIED; married; 38; disengaged March 22; thoroughly experienced, Counter, Dispensing, and Windows. Apply, 274/15, Office of this Paper.

WHOLESALE.

A WELL-ESTABLISHED Traveller, running own car, is desirous of negotiating with another firm to carry for them in conjunction with present house; a well-known Proprietary article only required. Apply, "Established" (278/10), Office of this Paper.

ADVERTISER, 20 years' sound Retail experience, seeks position with London Wholesale house; highest references. "J. D.," 73 Salusbury Road, West Kilburn, N.W.

ARE you looking for young man with plenty of energy, experience, Retail, Departmental Wholesale, Controlling, Travelling, organising? Write, "Go-ahead" (271/39), Office of this Paper.

CLERK (Lady); Wholesale and Retail; keep set of books, invoicing, etc., assist in shop. 278/9, Office of this Paper.

DOES any firm require services of energetic Chemist with thorough knowledge of business, Wholesale and Retail, including office and representative work, abstainer? 269/6, Office of this Paper.

Refugee Belgian Pharmacists.

This section is devoted to the announcements of Belgian confrères at present in this country. We shall be pleased to insert gratis announcements of a similar character from others who are seeking situations in the Drug trade.

Cette section est réservée pour les annonces des confrères belges qui se trouvent actuellement dans ce pays. Nous serons heureux d'insérer gratis des annonces semblables de ceux cherchant des places dans le commerce des drogues.

ALGERIA.—Belgian Pharmacist, speaking French, German, English, desires Agencies for British Manufacturers of Chemicals and Pharmaceuticals for Algeria. Address, 42/67, Office of this Paper.

BELGIAN Pharmacist, Liége University Diploma, desires situation in English Pharmacy; 20 years' experience. 35/15, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.
Shares for Sale (free of commission, subject).—280 Lewis & Burrows 6 per cent. Preference, 12*s.* 9*d.*; 165 Ordinary, bid wanted; 200 A. J. White, 6*s.* 10½*d.*; 104 Angostura Bitters 6 per cent. Preference, 16*s.* 3*d.*; 500 Veno Drug, 15*s.* 9*d.*; 100 New Transvaal Chemical 6 per cent. Preference, 20*s.* 9*d.*; 150 Mellin's 6 per cent. Preference, 16*s.* 9*d.*
Wanted (subject).—100 Parke's Drug Preference, 12*s.* 9*d.*; 100 Parke's Drug Ordinary, 6*s.*; 300 Wright, Layman & Umney Preference, 20*s.* 6*d.*; 100 G. B. Kent Preference, 16*s.* 3*d.*; 150 Schweppes' Ordinary, 20*s.* 4½*d.*
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ANILINE COLOURS.
ADVERTISERS are open to buy job lots of these at full prices. 256/32, Office of this Paper.

SHOPFITTINGS (Second-hand).—12-ft. Plate-glass fronted and solid Mahogany Counter, £8 10*s.*; 10-ft. ditto, £7 5*s.*; Perfumery Case and Desk, mirror box, glass shelves, solid Mahogany, 57*s.* 6*d.*; 6-ft. Mahogany and Bent Plate-glass Counter Case, 92*s.* 6*d.*; other bargains. Philip Josephs & Sons, Ltd., 93 Old Street, E.C.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S.E. Hackett, 23 July Road, Liverpool, E.

CHEMISTS' Shopfittings.—Silent Salesman, Showcases, Window-enclosures, Dispensing-screens, Drug-fittings, Wallcases, Glass-front Counters, Counter Drawers, etc., at lowest prices; shop-soiled second-hand; 30 years fitting pharmacies; you will save time and money by sending your requirements to George Cook, The Chemists' Working Shopfitter, Catherine Street, City Road, Old Street, London.

TRAVELLERS to Chemists.—Well-known firm has clever Advertising Novelty for display by Chemists; can be introduced as a side-line with little time, talk, or trouble, and get you liberal commission. Write, 272/18, Office of this Paper.

CHEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £43 10*s.* the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Façia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

BE ALERT AND CAPTURE
our latest SAMPLE OFFER of "AT THE FRONT" SHOWCARDS.
They suitably display appropriate "War" Sketches for various "Preps."—Coughs, Nerve Tonics, Rheumatism, etc.
For 3/- carr. paid. 1, 19×12 Art Tint Card in the above "AT THE FRONT" style, with suitable amount of wording and price of "Prep." and 1, 12×10 White Enamel Card with a smart shaded Panel Design for any "Prep," with about 18 words and price.
This offer does not include Price Lists of "Preps."
F. MERTEN & CO., Showcard Experts, 72 Marlborough Rd., Holloway, London, N.

8/- JAY MACK'S LEDGER
gives essential details of Income and Exes. in 10 Minutes weekly for 4 years.
On approval 4 days on receipt of P.O. or Cheque:
Post Free. *7/- refunded if returned safely.*
MACK-IVOR, Hightown, P.O. CREWE.
Or AYRTONS; EVANS; THOMPSONS, Liverpool. BOOKING FEE if returned.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise **stating quantity and price** to

THE WAR WANTS EXCHANGE,
"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Apenta Water (275/28)
Benzyl Benzoate (273/6)
Beta-Eucaine (270/10)
Ceridin Pills (277/2)
Empty wickered new Eau de Cologne bottles (277/2)
Epicarine (273/6)
Marienbader Tabletten (genuine) (272/14)
Nivea Soap (277/2)
Phenylenediamine Hydrochlor. (273/6)
Thigenol (273/6)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Apollinaris Water (275/28)
Cambrunnen Water (275/28)
Hexamine (273/10)
Loretine (275/39)
Phenocoll Murias (Schering) (272/3)
Sodium Salicylate (German) (273/10)
Styptol (275/39)

Pharmacy for the Pharmacist

THE UCAL CHEMISTS' EXHIBITION

OF THE MIDLANDS

GRAND HOTEL, BIRMINGHAM

March 24 & 25. Open 2 p.m. to 10 p.m.

ALL PHARMACISTS INVITED

PROFIT AND PLEASURE

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d*.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

PROPRIETARY ARTICLES.

ONE dozen 4 Ring Hæmatogen, unstamped, 10*s*. 6*d*. carriage paid. Holt Green, South Kensington, S.W.

5 LB. Smith's santonin lozenges, 1 gr., 3 lb. ditto, ½ gr., for sale; what offers? Hamilton, Long & Co., Ltd., 3 Lower Sackville Street, Dublin.

OPTICAL AND PHOTOGRAPHIC.

QUARTER-PLATE stand camera in mahogany; single extension; good E.R.R. lens; N. & G. changing-box holding 12 plates; 35*s*., or nearest. 42/24, Office of this Paper.

SHOP FITTINGS.

TEN very old-fashioned glass carboys with glass stoppers; been in four different Chemists' families over 200 years; what offers? W. Aston, Market Rasen.

POLISHED mahogany and glass sponge showcase; also upright bent-glass showcase in ebonised frame, with three plate-glass shelves and mirrored door at back; good condition; will be sold cheap. Fullest particulars from Francis, Pharmacist, Clifton, Bristol.

MISCELLANEOUS.

TRAVELLER'S strong leather case, size 18 in. by 12 in. by 5 in.; 15*s*. or offer. Stanley, 67 College Road, Willesden.

FOR disposal, I.R. hospital water-bed, 54 by 36, only been used a week, cost £4 15*s*.; National cash register, all latest improvements, perfect condition, cost 50 guineas; set of brass beam scales and weights to weigh 2 lb.; what offers? Shelley, 36 Caldmore, Walsall.

WANTED.

WANTED, copy "Chemist-Optician," *C. & D.*, 1908. Arthur, Chemist, Neilston.

PARKER'S essence of ginger, in square bottles, any size, at least a year old. Burnett & Turner, Chemists, Clifton, Bristol.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

WANTED, one or two Gardner's patent "Rapid" sifters and mixers; good condition. State size and full particulars, with lowest price, to 41/64, Office of this Paper.

"CHEMIST and Druggist," 1859, September, October, November, December; 1860, January, May; 1861, July, August; 1862, February, June, September; 1863, March, index; 1867, complete; 1868, index; 1869, 1871, complete; 1873, April, August, November; 1874, September; 1874-81, inclusive; 1885, complete; 1888, September 24; 1889, October 26; 1890-1914, inclusive; offers. 260/16. Office of this Paper.

CHEMISTS near military training centres should send p.c. for specimen copy of this specially written guide. Supplied with name and address as own publication at a price allowing of distribution gratis. A magnificent advertisement.

MOORHEADS, Ltd.
QUEENBOROUGH, KENT.

Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped. For a list of which with particulars as to registration see "The Chemist and Druggist Diary" 1915, p. 433.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(*From the "Trade-marks Journal," March 3, 1915.*)

"Spurway's Eau de Cologne" on label, with device of Nelson Column; for eau de Cologne (made in London) (48). By Spurway & Cie., Ltd., 14 Bartholomew Close, E.C. 364,880.

"Dalena"; for toilet-articles (48). By Madam Eleanor, 17 Hanover Square, W. 365,126.

"Pixoline"; for goods (48). By Dearborn, Ltd., 32 and 34 Theobald's Road, W.C. 365,477.

Circular device of little girl polishing table; for a polish (50). By the Gran-Marb Polish Co., Ltd., 195 Blackfriars Road, S.E. 364,605.

"Titanine"; for a dope for the textile wings of aeroplanes, etc. (50). By Holzapfels, Ltd., Dean Street, Newcastle-on-Tyne. 365,125.

"Militol"; for a boot-softening and waterproofing preparation (50). By E. Brown & Son, Ltd., 7 Garrick Street, W.C. 365,726.

(*From the "Trade-marks Journal," March 10, 1915.*)

"Claymore Brand," with picture of same; for all goods (1). By Craig & Rose, Ltd., Edinburgh. 365,042. (Associated.)

"Ronol"; for chemicals (1). By Boot's Pure Drug Co., Ltd., Nottingham. 365,471.

Device of bird's head, figures 240, and words "Contre la Gape" ("240," disclaimed); for a medicine for gapes, etc., in birds (2). By J. S. Stas, 48 Rue Antoine Gautier, Etterbeck lez Brussels. 362,651.

"Urohexoids"; for chemicals (2 and 3). By the British Drug Houses, Ltd., Graham Street, N. 365,609/10. (Associated).

Device of leaf bearing monogram "G. H. R." over words "XL All Nicotine Fumigating Shreds" ("XL All" disclaimed); for nicotine fumigating-shreds (2). By G. H. Richards, 234 Borough High Street, S.E. 365,597. (Associated.)

"Britogen"; for all goods (3 and 42). By Ayrton, Saunders & Co., Ltd., Liverpool. 365,022/3.

"Hormotone"; for a medicine for nervous diesases (3). By G. W. Carnrick Co., New York, U.S.A. 365,396.

"Leptalin"; for a medicine (3). By R. Hancox, 39 Chesterfield Road, Blackpool. 365,572.

"Neocain"; for medicinal chemicals (3). By T. Kerfoot & Co., Bardsley, Lancs. 365,601.

"Virophos"; for foods (3 and 42). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C. 365,677/8.

"Cruet," with picture of same; for medicinal chemicals (3). By Tyson & Co., Ltd., 6 Blackstock Street, Liverpool. 365,750.

Strychnine for Laudanum.

At an inquest at Diggle, Saddleworth, on March 17, William Rodger, described as a pharmaceutical chemist, admitted a mistake, which cost his wife, Thomassine Rodger (25), her life. In evidence, he stated that his wife had for years been a victim of the opium-habit. He was trying to break her of it, and allowed her only four ½-oz. doses per day. On March 14 she was ill, and he allowed her an extra dose. This caused him to run short, and he decided to obtain a supply from the shop in which he was employed. Not wishing his employer to see what he was doing, he took up a bottle and poured some of the contents into his own bottle. He gave the bottle to his wife, who drank the liquid. Soon afterwards she died in great agony, and it dawned on him that he had taken up a strychnine-bottle. Medical evidence was to the effect that all the symptoms pointed to strychnine-poisoning. Superintendent Daniel stated that he had made careful inquiries, and everything pointed to the truth of the husband's statement. The jury returned a verdict of accidental death, due to strychnine-poisoning.

Wills.

Mr. William Cross Fitch, chemist and druggist, Main Street, Littleport, Ely, who died on November 7, left estate valued at 907*l.* 3*s.* 7*d.* gross, with net personalty 522*l.* 14*s.* 1*d.*

Mr. John Henry Baldock, Ph.C., F.C.S., of Overdale, St. Leonard's Road, Croydon, S.W., who died on January 6, left estate valued at 5,286*l.* 6*s.* 6*d.* gross, with net personalty 4,602*l.* 15*s.* 5*d.*

Mr. Henry William Jones, F.C.S., chemist and druggist, 200 Gravelly Hill, Birmingham, who died on January 27, left estate of the gross value of 2,374*l.* 1*s.* 1*d.*, of which 1,521*l.* 4*s.* 10*d.* is net personalty. Probate of his will has been granted to his widow.

Mr. Henry Parry Thomas, chemist and druggist, 16 Llewelyn Street, Aberffraw, who died on September 29, left estate valued at 823*l.* 14*s.* 2*d.* gross, with net personalty 765*l.* 14*s.* 5*d.* Probate of his will has been granted to his son, Mr. J. H. Thomas, dispenser.

Mr. William Reid Ivison, Cockermouth, formerly with Straughton & Brown, chemists and druggists, and afterwards in business on his own account as a grocer, who died on December 3, aged fifty-six, left estate valued at 2,550*l.* 2*s.* 10*d.* gross, with net personalty 182*l.* 13*s.* 7*d.*

Mr. Thomas Campling Lamb, J.P., Ph.C., "Tintagel," Maidstone Road, Chatham, who died on December 14, left estate valued at 4,832*l.* 7*s.* 6*d.* gross, with net personalty 2,289*l.* 3*s.* 3*d.* Probate of his will has been granted to his widow, Mrs. Elizabeth Lamb, Miss Grace Wiles, and Mr. E. R. Lance.

Mr. William Tedlie Moore, Letterkenny, co. Donegal, chemist and druggist and veterinary surgeon, who died intestate on November 17, left personal estate in the United Kingdom valued at 5,802*l.* 6*s.* 9*d.*, of which 430*l.* 17*s.* is in England. Administration of his estate has been granted to his brother and sister, Mr. H. Moore, of Letterkenny, and Mrs. W. Milling, of Londonderry.

Mr. William Close Ottway, manufacturing optician, Amberley, Hastings Road, Ealing, London, W., who died on January 1, aged sixty-six, left estate of the gross value of 38,943*l.* 18*s.* 4*d.*, with net personalty 34,169*l.* 4*s.* 1*d.* The testator left 250*l.*, his household and personal effects, and an annuity of 300*l.* to his wife, and the residue of his property in equal shares to his four sons, W. R. Ottway, C. E. Ottway, J. A. Ottway, and W. T. Ottway.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, March 24.

Thames Valley Pharmacists' Association, at 3 P.M. Mr. C. J. G. Bunker on "The Chemists' Defence Association." The members of the Wimbledon Association are also invited to be present.

Thursday, March 25.

North London Pharmacists' Association, Beale's Restaurant, Holloway, N., at 7.30. Social evening. Tickets (2*s.* 6*d.* inclusive) from Mr. Herbert Skinner, G.N. Hospital, Holloway, N. Profits will be devoted to the Benevolent Fund.

Chemists' Assistants' Association, 17 Bloomsbury Square, London, W.C., at 8.30 P.M. Members of the Association of Women Pharmacists will attend, and Miss E. K. Hughes will give a paper on "Life in a Canadian Mining Camp."

Cardiff Pharmacists' Association, Angel Hotel, at 8.30 P.M. Discussion on "How to Deal with Proprietary Medicines in Order to Insure an Adequate Profit to the Retailer." At 9 P.M. the meeting will be open to members of the Barry and Newport Associations.

Friday, March 26.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Professor Sir J. J. Thomson on "Experiments in Slow Cathode Rays."

The South-Western Pharmacists' Association of London will hold their annual dinner at Frascati's on Wednesday, April 28, at 7 o'clock. Tickets for the dinner may be obtained from Mr. E. A. Atkins, 71 East Hill, Wandsworth, at 7*s.* 6*d.* each. The dinner is in aid of the Belgian Doctors' and Pharmacists' Relief Fund.

"Easy French for Soldiers."—Moorheads, Ltd., chemists, 83 High Street, Queenborough, Kent, publish a booklet with the above title, regarding which an offer to chemists is made in an advertisement on the preceding page.

Printed for the Proprietors by SPOTTISWOODE & CO. LTD., New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*March* 20, 1915. [60]

THE SUCCESS OF

The Wigglesworth Way

WAS RESPONSIBLE FOR THE APPEARANCE OF THIS LETTER IN THE "*C. & D.*," FEBRUARY 6, 1915.

"Eastern Counties"
is an
Enthusiast
of
"The Wigglesworth Way."

Window-dressing for Chemists.

Sir,—The article dealing with chemists' windows in last week's issue of the *C. & D.* should help to bring home to many of us chemists the fact that we have, as a body, neglected a most valuable form of advertising. The special cough-lozenge display by Mr. Jones greatly interested us, and, while congratulating him upon the originality of the display and the result obtained, we must take exception to the high proportion of expenses incurred compared with the profits earned. Not all chemists possess the gift of originality in arranging window-displays; those so gifted may not be able to expend the necessary time, and are compelled to leave this work to an assistant, who generally puts in as little "idea" and "originality" as possible. To those so situated perhaps our experience with a similar lozenge during the past few winters will show how it is possible at least to equal the results of Mr. Jones's display, at practically no expense to themselves. Our sales each winter have exceeded 5 cwt., while this winter we are well on the way with the sixth hundredweight, notwithstanding the fact that they were taken from the window for three weeks to allow for the display of Christmas perfumery, during which time the sales averaged over 30 lb. per week. We obtain our supplies from an up-to-date firm, regular advertisers in your paper, and they supply free of charge all the necessary material for a striking display; further, any ideas for a show submitted to them are worked up by their artists and supplied free. Also cartons, bearing the name and address, are supplied, and they form a valuable advertising medium.—Yours truly,

Eastern Counties. (250/54.)

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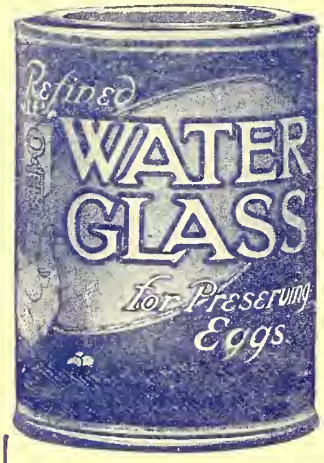

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Less 2½% to a/c.

Tins free. F.O.R. Leeds.

EGG Preserving

THE recent extraordinary dearness of Eggs is likely to result in a record season for Waterglass—now that economy is so popular and so necessary, everybody will wish to have a stock of summer eggs 'in pickle.'

To say to a lady, "If you use this Waterglass you need never again buy eggs at five-for-a-shilling," is not only to sell a tin, but to win a customer for future years.

With refined Waterglass of the quality we are packing, satisfactory preserving is easy and certain. The varnished label (olive green and red) is the most attractive on the market, and it bears directions at once explicit and easily followed.

Goodall, Backhouse & Co., Leeds.

Printed for the Proprietors by Spottiswoode & Co., Ltd., 5 New-street Square; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*March* 20, 1915.